

Microbiome Information for: Alzheimer's disease

For prescribing Medical professionals Review

The suggestions below are based on an Expert System (Artificial Intelligence) modelled after the MYCIN Expert System produced at Stanford University School of Medicine in 1972. The system uses over 1,800,000 facts with backward chaining to sources of information. The typical sources are studies published on the US National Library of Medicine.

Many recent studies has found that symptoms and symptom severity has strong associations to the microbiome for many conditions. Correcting the microbiome dysfunction is beleived to reduce the severity of symptoms. In some cases, this correction may cause symptoms to disappear.

These are *a priori suggestions* that are predicted to independently reduce microbiome dysfunction. Suggestions should *only be done after a review* by a medical professional factoring in patient's conditions, allergies and other issues.

This report may be freely shared by a patient to their medical professionals

Best practise for making microbiome adjustments is to obtain the individuals microbiome. The following are the best microbiome to use with this expert system model. The suggestions below are intended as temporary suggestions until a test result in received.

In the USA

Ombre (<https://www.ombrelab.com/>)

Thome (<https://www.thome.com/products/dp/gut-health-test>)

Worldwide: BiomeSight (<https://biomesight.com>) - Discount Code 'MICRO'

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Alzheimer's disease

Nota Bena: Many studies are done with a small sample size or mixtures of condition subsets which can greatly diminish the ability to detect bacteria shifts.

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Actinomycetes	class	High	1760	Muribaculum	genus	High	1918540
Deltaproteobacteria	class	High	28221	Odoribacter	genus	High	283168
Acidaminococcaceae	family	Low	909930	Ohtaekwangia	genus	High	1210119
Bifidobacteriaceae	family	High	31953	Oscillibacter	genus	High	459786
Burkholderiaceae	family	High	119060	Oscillospira	genus	High	119852
Chlamydiaceae	family	High	809	Papillibacter	genus	Low	100175
Christensenellaceae	family	High	990719	Parabacteroides	genus	High	375288
Clostridiaceae	family	Low	31979	Paraprevotella	genus	Low	577309
Coriobacteriaceae	family	High	84107	Peptococcus	genus	High	2740
Corynebacteriaceae	family	High	1653	Phascolarctobacterium	genus	High	33024
Defluviitaleaceae	family	High	1185407	Porphyromonas	genus	High	836
Desulfovibrionaceae	family	High	194924	Prevotella	genus	High	838
Enterobacteriaceae	family	High	543	Pseudobutyrvibrio	genus	High	46205
Enterococcaceae	family	High	81852	Pseudomonas	genus	High	286
Helicobacteraceae	family	High	72293	Romboutsia	genus	Low	1501226
Lachnospiraceae	family	Low	186803	Roseburia	genus	Low	841
Lactobacillaceae	family	Low	33958	Rothia	genus	Low	508215
Oscillospiraceae	family	Low	216572	Ruminiclostridium	genus	Low	1508657
Peptostreptococcaceae	family	Low	186804	Ruminococcus	genus	High	1263
Porphyromonadaceae	family	Low	171551	Selenomonas	genus	High	970
Ruminococcaceae	family	Low	541000	Shigella	genus	High	620
Staphylococcaceae	family	High	90964	Slackia	genus	Low	84108
Verrucomicrobiaceae	family	High	203557	Sphingomonas	genus	High	13687
Actinobacillus	genus	High	713	Streptococcus	genus	Low	1301
Adlercreutzia	genus	Low	447020	Subdoligranulum	genus	High	292632
Agathobacter	genus	Low	1766253	Turidibacter	genus	Low	191303
Agathobaculum	genus	Low	2048137	Tyzzera	genus	Low	1506577
Aggregatibacter	genus	High	416916	Veillonella	genus	Low	29465
Akkermansia	genus	High	239934	Bifidobacteriales	order	Low	85004
Altermaria	genus	High	5598	Desulfovibrionales	order	High	213115
Anaerobacterium	genus	Low	1486725	Erysipelotrichales	order	High	526525
Bacillus	genus	High	1386	Verrucomicrobiales	order	High	48461
Bacteroides	genus	High	816	[Clostridium] leptum	species	High	1535
Barnesiella	genus	High	397864	[Eubacterium] siraeum	species	Low	39492
Bifidobacterium	genus	Low	1678	[Ruminococcus] torques	species	Low	33039
Bilophila	genus	High	35832	Adlercreutzia equolifaciens	species	Low	446660
Blautia	genus	Low	572511	Agathobacter rectalis	species	Low	39491
Borrelia	genus	High	138	Akkermansia muciniphila	species	High	239935
Botrytis	genus	High	33196	Alistipes indistinctus	species	High	626932
Brevibacterium	genus	Low	1696	Anaerobutyricum hallii	species	High	39488
Butyricoccus	genus	Low	580596	Anaerostipes hadrus	species	High	649756

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Candida	genus	High	5475	Bacillus cereus	species	High	1396
Castellaniella	genus	Low	359336	Bacteroides caccae	species	Low	47678
Catenibacterium	genus	High	135858	Bacteroides fragilis	species	High	817
Chlamydia	genus	High	810	Bacteroides ovatus	species	High	28116
Clostridium	genus	Low	1485	Bacteroides uniformis	species	High	820
Collinsella	genus	High	102106	Barnesiella intestinihominis	species	High	487174
Coprococcus	genus	Low	33042	Bifidobacterium catenulatum	species	High	1686
Corynebacterium	genus	Low	1716	Bilophila wadsworthia	species	Low	35833
Desulfovibrio	genus	High	872	Candida albicans	species	High	5476
Dialister	genus	Low	39948	Chlamydia pneumoniae	species	High	83558
Dorea	genus	High	189330	Cutibacterium acnes	species	High	1747
Eggerthella	genus	High	84111	Dorea longicatena	species	High	88431
Enterococcus	genus	High	1350	Enterococcus casseliflavus	species	High	37734
Escherichia	genus	High	561	Eubacterium coprostanoligenes	species	High	290054
Eubacterium	genus	Low	1730	Faecalibacterium prausnitzii	species	High	853
Faecalibacterium	genus	Low	216851	Fusobacterium nucleatum	species	High	851
Flavobacterium	genus	High	237	Haemophilus parainfluenzae	species	Low	729
Flavonifractor	genus	Low	946234	Helicobacter pylori	species	High	210
Fusicatenibacter	genus	Low	1407607	Intestinimonas butyriciproducens	species	Low	1297617
Fusobacterium	genus	High	848	Lactobacillus johnsonii	species	Low	33959
Gemella	genus	High	1378	Lautropia mirabilis	species	Low	47671
Gemmiger	genus	Low	204475	Mediterraneibacter gnavus	species	High	33038
Haemophilus	genus	High	724	Paraprevotella clara	species	High	454154
Helicobacter	genus	High	209	Paraprevotella xylaniphila	species	High	454155
Holdemanella	genus	High	1573535	Phocaeicola plebeius	species	High	310297
Intestinibacter	genus	High	1505657	Porphyromonas gingivalis	species	High	837
Lachnospira	genus	Low	28050	Roseburia hominis	species	Low	301301
Lactiplantibacillus	genus	Low	2767842	Roseburia intestinalis	species	Low	166486
Lactobacillus	genus	High	1578	Ruminococcus callidus	species	High	40519
Levilactobacillus	genus	Low	2767886	Streptococcus agalactiae	species	High	1311
Malassezia	genus	High	55193	Thomasclavelia spiroformis	species	Low	29348
Megamonas	genus	High	158846	Treponema pallidum	species	High	160
Mogibacterium	genus	Low	86331	Treponema pectinovorum	species	High	164
Monoglobus	genus	Low	2039302	Treponema socranskii	species	High	53419

Substance to Consider Adding or Taking

These are the most significant substances that are likely to improve the microbiome dysfunction. Dosages are based on the dosages used in clinical studies. For more information see: <https://microbiomeprescription.com/library/dosages>. These are provided as examples only

Colors indicates the type of substance: i.e. probiotics and prebiotics, herbs and spices, etc. There is no further meaning to them.

Antibiotics annotated with [CFS] have been used with various degree of success with Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, Chronic Lyme, Chronic Q-Fever and Long COVID conditions. Rotation of antibiotics with 3 weeks off between courses is recommended.

2-Amino-5-(carbamoylamino)pentanoic acid {Citrulline}

Abstention from eating {Fasting}

Camellia Linnaeus {camellia}

Ethyl alcohol {Grain alcohol}

Glycine max {Doenjang}

High glycemic diet {High-sugar diet (HSD)}

high red meat

High-protein diet {Atkins low-carbohydrate diet}

ketogenic diet

low carbohydrate diet

Lycium barbarum x Lycium chinense, {Goji Fruit, Juice}

oolong teas

Phaseolus vulgaris {Boston bean}

red wine 250 ml/day

restricted-fiber diet {low fiber diet}

Sodium 2-stearoyllactate {sodium stearoyl lactylate}

Thiamine {Vitamin B1} 1.8 gram/day

Tobacco consumption {Smoking}

VANCOMYCIN (ANTIBIOTIC)[CFS]

Substance to Consider Reducing or Eliminating

These are the most significant substances have been identified as probably contributing to the microbiome dysfunction.

In some cases blood work may show low levels of some vitamins, etc. listed below. This may be due to *greedy* bacteria reported at a high level above. Viewing bacteria data on the Kyoto Encyclopedia of Genes and Genomes (<https://www.kegg.jp/>) may provide better insight on the course of action to take.

(2->1)-beta-D-fructofuranan {Inulin}	Lactocaseibacillus casei {L. casei}
arabinogalactan {arabinogalactan}	Lactocaseibacillus paracasei {L.paracasei}
Avena sativa x Hordeum vulgare {barley,oat}	Lactobacillus plantarum {L. plantarum}
bacillus	lactobacillus rhamnosus gg,bifidobacterium animalis lactis
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	,lactobacillus paracasei {cvs maximum strength probiotic}
Bifidobacterium animalis {B. animalis}	Limosilactobacillus reuteri {L. Reuteri}
bifidobacterium longum {B.Longum }	long-term, moderate-intensity exercise {exercise}
Bovine Milk Products {Dairy}	Propolis {Bee glue}
Cichorium intybus {Chicory}	Prunus dulcis {Almonds}
Clostridium butyricum MIYAIRI 588 {Miyarisan}	Saccharomyces cerevisiae var boulardii {S. boulardii}
dietary fiber	Slow digestible carbohydrates. {Low Glycemic}
Diferuloylmethane {Curcumin}	soy
Fiber, total dietary	β-glucan {Beta-Glucan}
fruit	Thymus vulgaris {thyme}
fruit/legume fibre	walnuts
High-fibre diet {Whole food diet}	wheat
Hordeum vulgare {Barley}	whole-grain diet
	yogurt
	Zingiber officinale Roscoe {ginger}

Sample of Literature Used

The following are the most significant of the studies used to generate these suggestions.

[The microbiota-gut-brain axis in mild cognitive impairment and Alzheimer's disease: a scoping review of human studies.](#)

Alzheimer's & dementia : the journal of the Alzheimer's Association , Volume: 22 Issue: 1 2026 Jan

Authors Warren A,Wynia Z,Corr PG,Devin MF,Celikkol Z,Gordon L,Farah M,Karam M,Villarreal D,Jackson SA,Frame LA

[Cross-sectional analysis of gut microbiome diversity with progression of Alzheimer's disease.](#)

Bioinformation , Volume: 21 Issue: 9 2025

Authors Gupta PS,Padmakumar VM,Usmani OI

[The Multinutrient Fortasyn Connect Influences Gut Microbiota and Intestinal Function in Early Alzheimer's Disease.](#)

Aging and disease , 2025 Nov 13

Authors Molinero N,Montero-Atalaya M,Méndez L,Roldán M,Cortés IP,Ruhland S,Bartolomé B,Medina I,Moreno-Arribas MV

[Salivary microbiome dysbiosis in patients with Alzheimer's disease.](#)

Journal of Alzheimer's disease : JAD , 2025 Nov 10

Authors Hamdi A,Stathopoulou P,Gharbi A,Saadouli I,Najjari A,Kacem I,Ouzari H,El Mokhtar N,Tsiamis G,Gouider R,Klibi N

[Interaction between gut microbiota and Alzheimer's disease: Re-analysis of the same sample.](#)

Journal of Alzheimer's disease : JAD , 2025 Sep 4

Authors Wang L,Zuo X,Xu M,Hu Q,Liang W,Lu J,Zhang R

[Role of Ruminococcus gnavus in the elderly with cognitive impairment: A case-control study and an animal experiment.](#)

Journal of Alzheimer's disease : JAD , 2025 Sep 1

Authors Wei Y,Huang Y,Wang S,Liu K,Zhong Q,Fan W,Cao B,Chen H,Liang Y,Li Q,Xu Z,Liao K,Wu X

[Distinct gut microbiota profiles and network properties in older Korean individuals with subjective cognitive decline, mild cognitive impairment, and Alzheimer's disease.](#)

Alzheimer's research & therapy , Volume: 17 Issue: 1 2025 Aug 9

Authors Son SJ,Wu X,Roh HW,Cho YH,Hong S,Nam YJ,Hong CH,Park S

[Gut microbiota distinguishes aging hispanics with Alzheimer's disease: associations with cognitive impairment and severity.](#)

Scientific reports , Volume: 15 Issue: 1 2025 Aug 5

Authors Sepúlveda-Rivera V,Olivieri-Henry G,Morales-González H,Ruiz-Adames J,Herrero-Rivera C,Rentas-Echeverria A,Cardona-Berdecia V,Soler-Llompart C,Sala-Morales AC,Pérez-Montero G,Blanco-Ruiz E,Godoy-Vitorino F

[Dietary index for gut microbiota \(DI-GM\) and cognitive function: NHANES findings and validation in a Hong Kong cohort with metagenomic data.](#)

The journal of prevention of Alzheimer's disease , 2025 Aug 4

Authors Jiang H,Zhang J,Li S,Kwok T,Ng SC,Lee ATC,Xu Z

[Identification of Chlamydia pneumoniae and NLRP3 inflammasome activation in Alzheimer's disease retina.](#)

Research square , 2025 Jun 26

Authors Koronyo-Hamaoui M,Gaire BP,Koronyo Y,Vit JP,Hutton A,Swerdlow N,Robinson E,Fuchs DT,Rentsendorj A,Subedi L,Ljubimov A,Schneider LS,Hawes D,Graham S,Gupta V,Mirzaei M,Black K,Meyer JG,Arditi M,Crother T

[Specific Bacterial Taxa and Their Metabolite, DHPS, May Be Linked to Gut Dyshomeostasis in Patients with Alzheimer's Disease, Parkinson's Disease, and Amyotrophic Lateral Sclerosis.](#)

Nutrients , Volume: 17 Issue: 9 2025 May 6

Authors Christopher CJ,Morgan KH,Tolleson CM,Trudell R,Fernandez-Romero R,Rice L,Abiodun BA,Vickery Z,Jones KA,Woodall BM,Nagy C,Mieczkowski PA,Bowen G,Campagna SR,Ellis JC

[Association between sphingomyelin levels and gut microbiota abundance in Alzheimer's disease: a two-sample Mendelian randomization study.](#)

BMC neurology , Volume: 25 Issue: 1 2025 Apr 30

Authors Wang L,Ding Y,Tang Y,Yang M,Yang Z,Yang X,Xia J

[Aging Gut-Brain Interactions: Pro-Inflammatory Gut Bacteria Are Elevated in Fecal Samples from Individuals Living with Alzheimer's Dementia.](#)

Geriatrics (Basel, Switzerland) , Volume: 10 Issue: 2 2025 Mar 7

Authors Donaldson AIC,Fyfe CL,Martin JC,Smith EE,Horgan GW,Myint PK,Johnstone AM,Scott KP

[Impact of 16S rRNA on Intestinal Flora Alterations and Early Diagnosis in Early Alzheimer's Disease Patients.](#)

Actas espanolas de psiquiatria , Volume: 53 Issue: 2 2025 Mar

Authors Lv D,Lin X,Zhang X,Shen Q

[Precision delivery of pretreated macrophage-membrane-coated Pt nanoclusters for improving Alzheimer's disease-like cognitive dysfunction induced by Porphyromonas gingivalis.](#)

Biomaterials , Volume: 319 2025 Aug

Authors Liu K,Ma X,Zhang Y,Zhao L,Shi Y

Saliva Proteome, Metabolome and Microbiome Signatures for Detection of Alzheimer's Disease.**Metabolites** , Volume: 14 Issue: 12 2024 Dec 19

Authors François M,Pascovici D,Wang Y,Vu T,Liu JW,Beale D,Hor M,Hecker J,Faunt J,Maddison J,Johns S,Leifert W

Bidirectional Two-Sample, Two-Step Mendelian Randomisation Study Reveals Mediating Role of Gut Microbiota Between Vitamin B Supplementation and Alzheimer's Disease.**Nutrients** , Volume: 16 Issue: 22 2024 Nov 18

Authors An Y,Cao Z,Du Y,Xu G,Wang J,Zheng J,Lu Y

Mendelian randomization and genetic pleiotropy analysis for the connection between inflammatory bowel disease and Alzheimer's disease.**Progress in neuro-psychopharmacology & biological psychiatry** , Volume: 136 2025 Jan 10

Authors Wu Y,Yan Y,Qi J,Liu Y,Wang T,Chen H,Guan X,Zheng C,Zeng P

Cutibacterium Acnes induces Alzheimer's disease-like pathology in brains of wistar rats through structural changes associated with microtubules.**Behavioral and brain functions : BBF** , Volume: 20 Issue: 1 2024 Nov 21

Authors Aliashrafi M,Nasehi M,Siadat SD,Mohammadi-Mahdiabadi-Hasani MH,Zali H,Niknam Z

Protective effects of a lactobacilli mixture against Alzheimer's disease-like pathology triggered by Porphyromonas gingivalis.**Scientific reports** , Volume: 14 Issue: 1 2024 Nov 8

Authors Kazemi N,Khorasgani MR,Noorbakhshnia M,Razavi SM,Narimani T,Naghsh N

Microbiota-derived lysophosphatidylcholine alleviates Alzheimer's disease pathology via suppressing ferroptosis.**Cell metabolism** , 2024 Nov 1

Authors Zha X,Liu X,Wei M,Huang H,Cao J,Liu S,Bian X,Zhang Y,Xiao F,Xie Y,Wang W,Zhang C

Exploring bacterial metabolites in microbe-human host dialogue and their therapeutic potential in Alzheimer's diseases.**Molecular diversity** , 2024 Nov 5

Authors Singh SD,Bharali P,Nagamani S

Gut commensal Agathobacter rectalis alleviates microglia-mediated neuroinflammation against pathogenesis of Alzheimer disease.**iScience** , Volume: 27 Issue: 11 2024 Nov 15

Authors Lv X,Zhan L,Ye T,Xie H,Chen Z,Lin Y,Cai X,Yang W,Liao X,Liu J,Sun J

Can early gut microbiota screening reduce the incidence of cognitive impairment? A Mendelian randomization study.**Journal of Alzheimer's disease : JAD** , Volume: 102 Issue: 1 2024 Nov

Authors Xi C,Zhang J,Liu H,Xing J,Ding Y,Wei W,Wang L,Liu Z

Does Dementia Have a Microbial Cause?**NeuroSci** , Volume: 3 Issue: 2 2022 Jun

Authors Landry RL,Embers ME

Exploring the mechanism of chondroitin sulfate-selenium nanoparticles in improving Alzheimer's disease: Insights from intestinal flora evaluation.**Heliyon** , Volume: 10 Issue: 19 2024 Oct 15

Authors Fu C,Wang X,Zhou W,Gao Q,Luo J,Li Y

Multi-omics analysis reveals the key factors involved in the severity of the Alzheimer's disease.**Alzheimer's research & therapy** , Volume: 16 Issue: 1 2024 Oct 2

Authors Meng L,Jin H,Yulug B,Altay O,Li X,Hanoglu L,Cankaya S,Coskun E,Idil E,Nogaylar R,Ozsimsek A,Shoaie S,Turkez H,Nielsen J,Zhang C,Borén J,Uhlén M,Mardinoglu A

Gut microbiota changes in patients with Alzheimer's disease spectrum based on 16S rRNA sequencing: a systematic review and meta-analysis.**Frontiers in aging neuroscience** , Volume: 16 2024

Authors Li H,Cui X,Lin Y,Huang F,Tian A,Zhang R

The involvement of effector memory CD4(+) T cells in mediating the impact of genus Oscillibacter gut microbiota on Alzheimer's disease: a Mendelian randomization study.**Frontiers in aging neuroscience** , Volume: 16 2024

Authors Zhang H,Wang Y,Zhao H,Wang W,Han F

Dysregulation of Porphyromonas gingivalis Agmatine Deiminase Expression in Alzheimer's Disease.**Current Alzheimer research** , Volume: 21 Issue: 4 2024

Authors Hamdi A,Baroudi S,Gharbi A,Babay W,Laaribi AB,Kacem I,Mrabet S,Zidi I,Klibi N,Gouider R,Ouzari H

Causal Associations Between Gut Microbiota, Gut Microbiota-Derived Metabolites, and Alzheimer`s Disease: A Multivariable Mendelian Randomization Study.**Journal of Alzheimer`s disease : JAD** , 2024 May 20

Authors Ning M,An L,Dong L,Zhu R,Hao J,Liu X,Zhang Y

Chlamydia pneumoniae in Alzheimer's disease pathology.

Frontiers in neuroscience , Volume: 18 2024

Authors Subedi L,Gaire BP,Koronyo Y,Koronyo-Hamaoui M,Crother TR

[Roseburia intestinalis Supplementation Could Reverse the Learning and Memory Impairment and m6A Methylation Modification Decrease Caused by 27-Hydroxycholesterol in Mice.](#)**Nutrients** , Volume: 16 Issue: 9 2024 Apr 26

Authors Sun X,Zhou C,Ju M,Feng W,Guo Z,Qi C,Yang K,Xiao R

[Bacteroidota inhibit microglia clearance of amyloid-beta and promote plaque deposition in Alzheimer's disease mouse models.](#)**Nature communications** , Volume: 15 Issue: 1 2024 May 8

Authors Wasén C,Beauchamp LC,Vincentini J,Li S,LeServe DS,Gauthier C,Lopes JR,Moreira TG,Ekwudo MN,Yin Z,da Silva P,Krishnan RK,Butovsky O,Cox LM,Weiner HL

[Alterations in Gut Microbiota and Their Correlation with Brain Beta-Amyloid Burden Measured by \(18\)F-Florbetaben PET in Mild Cognitive Impairment Due to Alzheimer's Disease.](#)**Journal of clinical medicine** , Volume: 13 Issue: 7 2024 Mar 27

Authors Kim GH,Kim BR,Yoon HJ,Jeong JH

[Proteomic analysis of P. gingivalis-Lipopolysaccharide induced neuroinflammation in SH-SY5Y and HMC3 cells.](#)**GeroScience** , Volume: 46 Issue: 5 2024 Oct

Authors Verma A,Azhar G,Patyal P,Zhang W,Zhang X,Wei JY

[Human \$\beta\$ -Defensin 3 Inhibition of P. gingivalis LPS-Induced IL-1 \$\beta\$ Production by BV-2 Microglia through Suppression of Cathepsins B and L](#)**Cells** , Volume: 13 Issue: 3 2024 Feb 4

Authors Inoue E,Minatozaki S,Shimizu S,Miyamoto S,Jo M,Ni J,Tozaki-Saitoh H,Oda K,Nonaka S,Nakanishi H

[Intracerebroventricular Cutibacterium acnes Generates Manifestations of Alzheimer's Disease-like Pathology in the Rat Hippocampus.](#)**Neuroscience** , Volume: 540 2024 Mar 5

Authors Aliashrafi M,Nasehi M,Zarrindast MR,Joghataei MT,Zali H,Siadat SD

[Disease- and stage-specific alterations of the oral and fecal microbiota in Alzheimer's disease.](#)**PNAS nexus** , Volume: 3 Issue: 1 2024 Jan

Authors Troci A,Philippen S,Rausch P,Rave J,Weyland G,Niemann K,Jessen K,Schmill LP,Aludin S,Franke A,Berg D,Bang C,Bartsch T

[\[Correction of gut dysbiosis as a promising direction in the prevention of neuroinflammation and cognitive impairment\].](#)**Voprosy pitaniia** , Volume: 92 Issue: 6 2023

Authors Shikh EV,Nikolaeva NB,Molchanova NB,Elizarova EV

[Comparison of Frailty and Chronological Age as Determinants of the Murine Gut Microbiota in an Alzheimer's Disease Mouse Model.](#)**Microorganisms** , Volume: 11 Issue: 12 2023 Nov 24

Authors Kapphan LM,Nguyen VTT,Heinrich I,Tüscher O,Passauer P,Schwiertz A,Endres K

[Unraveling the connection between gut microbiota and Alzheimer`s disease: a two-sample Mendelian randomization analysis.](#)**Frontiers in aging neuroscience** , Volume: 15 2023

Authors Zeng H,Zhou K,Zhuang Y,Li A,Luo B,Zhang Y

[Gut Microbiota Composition in Patients with Neurodegenerative Disorders \(Parkinson's and Alzheimer's\) and Healthy Controls: A Systematic Review.](#)**Nutrients** , Volume: 15 Issue: 20 2023 Oct 13

Authors Heravi FS,Naseri K,Hu H

[Microbiota from Alzheimer`s patients induce deficits in cognition and hippocampal neurogenesis.](#)**Brain : a journal of neurology** , 2023 Oct 18

Authors Grabrucker S,Marizzoni M,Silajdžić E,Lopizzo N,Mombelli E,Nicolas S,Dohm-Hansen S,Scassellati C,Moretti DV,Rosa M,Hoffmann K,Cryan JF,O`Leary OF,English JA,Lavelle A,O`Neill C,Thuret S,Cattaneo A,Nolan YM

[Helicobacter pylori infection contributes to the expression of Alzheimer's disease-associated risk factors and neuroinflammation.](#)**Heliyon** , Volume: 9 Issue: 9 2023 Sep

Authors Noori M,Mahboobi R,Nabavi-Rad A,Jamshidizadeh S,Fakharian F,Yadegar A,Zali MR

[Implications of gut and oral microbiota in neuroinflammatory responses in Alzheimer's disease.](#)**Life sciences** , Volume: 333 2023 Nov 15

Authors Bello-Corral L,Alves-Gomes L,Fernández-Fernández JA,Fernández-García D,Casado-Verdejo I,Sánchez-Valdeón L

[Cerebral small vessel disease burden is associated with decreased abundance of gut Bacteroides fragilis bacterium in the Framingham Heart Study.](#)

Scientific reports , Volume: 13 Issue: 1 2023 Aug 21

Authors Fongang B,Satizabal C,Kautz TF,Wadop YN,Muhammad JAS,Vasquez E,Mathews J,Gireud-Goss M,Saklad AR,Himali J,Beiser A,Cavazos JE,Mahaney MC,Maestre G,DeCarli C,Shipp EL,Vasan RS,Seshadri S

[Anaerobes in specific infectious and noninfectious diseases: new developments.](#)

Anaerobe , Volume: 81 2023 Jun

Authors Boyanova L,Markovska R,Yordanov D,Gergova R,Hadzhiyski P

[Characterizing the gut microbiome changes with aging in a novel Alzheimer's disease rat model.](#)

Aging , Volume: 15 Issue: 2 2023 Jan 13

Authors Nagarajan A,Srivastava H,Morrow CD,Sun LY

[Fecal Volatile Organic Compounds and Microbiota Associated with the Progression of Cognitive Impairment in Alzheimer's Disease.](#)

International journal of molecular sciences , Volume: 24 Issue: 1 2022 Dec 31

Authors Ubeda C,Vázquez-Carretero MD,Luque-Tirado A,Ríos-Reina R,Rubio-Sánchez R,Franco-Macías E,García-Miranda P,Calonge ML,Peral MJ

[Gut microbiome, cognitive function and brain structure: a multi-omics integration analysis.](#)

Translational neurodegeneration , Volume: 11 Issue: 1 2022 Nov 14

Authors Liang X,Fu Y,Cao WT,Wang Z,Zhang K,Jiang Z,Jia X,Liu CY,Lin HR,Zhong H,Miao Z,Gou W,Shuai M,Huang Y,Chen S,Zhang B,Chen YM,Zheng JS

[Implications of Porphyromonas gingivalis peptidyl arginine deiminase and gingipain R in human health and diseases.](#)

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Chow YC,Yam HC,Gunasekaran B,Lai WY,Wo WY,Agarwal T,Ong YY,Cheong SL,Tan SA

[Altered Gut Microbiota and Its Clinical Relevance in Mild Cognitive Impairment and Alzheimer`s Disease: Shanghai Aging Study and Shanghai Memory Study.](#)

Nutrients , Volume: 14 Issue: 19 2022 Sep 23

Authors Zhu Z,Ma X,Wu J,Xiao Z,Wu W,Ding S,Zheng L,Liang X,Luo J,Ding D,Zhao Q

[Nicotinamide adenine dinucleotide supplementation drives gut microbiota variation in Alzheimer's mouse model.](#)

Frontiers in aging neuroscience , Volume: 14 2022

Authors Chu X,Hou Y,Meng Q,Croteau DL,Wei Y,De S,Becker KG,Bohr VA

[Gut Microbiome and Mycobiome Alterations in an In Vivo Model of Alzheimer's Disease.](#)

Genes , Volume: 13 Issue: 9 2022 Aug 31

Authors D'Argenio V,Veneruso I,Gong C,Cecarini V,Bonfili L,Eleuteri AM

[A comparison of the composition and functions of the oral and gut microbiotas in Alzheimer`s patients.](#)

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Chen L,Xu X,Wu X,Cao H,Li X,Hou Z,Wang B,Liu J,Ji X,Zhang P,Li H

[Association between Gut Microbiota with Mild Cognitive Impairment and Alzheimer`s Disease in a Thai Population.](#)

Neuro-degenerative diseases , Volume: 22 Issue: 2 2022

Authors Wanapaisan P,Chuansangearm M,Nopnipa S,Mathuranyanon R,Nonthabenjawan N,Ngamsombat C,Thientunyakit T,Muangpaisan W

[Study of gut microbiota alterations in Alzheimer`s dementia patients from Kazakhstan.](#)

Scientific reports , Volume: 12 Issue: 1 2022 Sep 6

Authors Kaiyrylkyzy A,Kozhakhmetov S,Babenko D,Zholdasbekova G,Aizhanova D,Oizhayev F,Baibulatova A,Kushugulova AR,Askarova S

[Altered gut microbiota correlates with behavioral problems but not gastrointestinal symptoms in individuals with autism.](#)

Brain, behavior, and immunity , Volume: 106 2022 Nov

Authors Chen YC,Lin HY,Chien Y,Tung YH,Ni YH,Gau SS

[Machine Learning Data Analysis Highlights the Role of Parasutterella and Alloprevotella in Autism Spectrum Disorders.](#)

Biomedicines , Volume: 10 Issue: 8 2022 Aug 19

Authors Pietrucci D,Teofani A,Milanesi M,Fosso B,Putignani L,Messina F,Pesole G,Desideri A,Chillemi G

[Porphyromonas gingivalis: A key role in Parkinson's disease with cognitive impairment?](#)

Frontiers in neurology , Volume: 13 2022

Authors Li D,Ren T,Li H,Liao G,Zhang X

[Loss of body weight in old 5xFAD mice and the alteration of gut microbiota composition.](#)

Experimental gerontology , Volume: 166 2022 Sep

Authors Kameno K,Hasegawa Y,Hayashi K,Takemoto Y,Uchikawa H,Mukasa A,Kim-Mitsuyama S

[Alteration of Gut Microbiota in Alzheimer`s Disease and Their Relation to the Cognitive Impairment.](#)

Journal of Alzheimer`s disease : JAD , Volume: 88 Issue: 3 2022

Authors Khedr EM,Omeran N,Karam-Allah Ramadan H,Ahmed GK,Abdelwarith AM

[Fecal Microbiota Transplantation Derived from Alzheimer's Disease Mice Worsens Brain Trauma Outcomes in Wild-Type](#)

Controls.**International journal of molecular sciences** , Volume: 23 Issue: 9 2022 Apr 19

Authors Soriano S, Curry K, Wang Q, Chow E, Treangen TJ, Villapol S

Alteration of the fecal microbiota in Chinese children with autism spectrum disorder.**Autism research : official journal of the International Society for Autism Research** , Volume: 15 Issue: 6 2022 Jun

Authors Xie X, Li L, Wu X, Hou F, Chen Y, Shi L, Liu Q, Zhu K, Jiang Q, Feng Y, Xiao P, Zhang J, Gong J, Song R

Gut Microbiota Composition Is Related to AD Pathology.**Frontiers in immunology** , Volume: 12 2021

Authors Verhaar BJH, Hendriksen HMA, de Leeuw FA, Doorduyn AS, van Leeuwenstijn M, Teunissen CE, Barkhof F, Scheltens P, Kraaij R, van Duijn CM, Nieuwdorp M, Muller M, van der Flier WM

Gut Microbial Profile Is Associated With the Severity of Social Impairment and IQ Performance in Children With Autism Spectrum Disorder.**Frontiers in psychiatry** , Volume: 12 2021

Authors Chen Z, Shi K, Liu X, Dai Y, Liu Y, Zhang L, Du X, Zhu T, Yu J, Fang S, Li F

Imbalance in the Gut Microbiota of Children With Autism Spectrum Disorders.**Frontiers in cellular and infection microbiology** , Volume: 11 2021

Authors Ding H, Yi X, Zhang X, Wang H, Liu H, Mou WW

Serum Oxytocin Level Correlates With Gut Microbiome Dysbiosis in Children With Autism Spectrum Disorder.**Frontiers in neuroscience** , Volume: 15 2021

Authors Huang M, Liu K, Wei Z, Feng Z, Chen J, Yang J, Zhong Q, Wan G, Kong XJ

Cyanobacteria, Cyanotoxins, and Neurodegenerative Diseases: Dangerous Liaisons.**International journal of molecular sciences** , Volume: 22 Issue: 16 2021 Aug 13

Authors Sini P, Dang TBC, Fais M, Galioto M, Padedda BM, Lugliè A, Iaccarino C, Crosio C

Disturbed microbial ecology in Alzheimer's disease: evidence from the gut microbiota and fecal metabolome.**BMC microbiology** , Volume: 21 Issue: 1 2021 Aug 12

Authors Xi J, Ding D, Zhu H, Wang R, Su F, Wu W, Xiao Z, Liang X, Zhao Q, Hong Z, Fu H, Xiao Q

Effects of Aricept on intestinal flora diversity in patients with mild Alzheimer's disease explored through high-throughput sequencing technology.**American journal of translational research** , Volume: 13 Issue: 4 2021

Authors Jiang Y, Guo Z, Liu X, Wang Y, Li J, Wang B

Spatial Memory and Gut Microbiota Alterations Are Already Present in Early Adulthood in a Pre-clinical Transgenic Model of Alzheimer`s Disease.**Frontiers in neuroscience** , Volume: 15 2021

Authors Bello-Medina PC, Hernández-Quiroz F, Pérez-Morales M, González-Franco DA, Cruz-Pauseno G, García-Mena J, Díaz-Cintra S, Pacheco-López G

Diet quality, gut microbiota, and microRNAs associated with mild cognitive impairment in middle-aged and elderly Chinese population.**The American journal of clinical nutrition** , Volume: 114 Issue: 2 2021 Aug 2

Authors Zhang X, Wang Y, Liu W, Wang T, Wang L, Hao L, Ju M, Xiao R

Gut Microbiota Changes and Their Correlation with Cognitive and Neuropsychiatric Symptoms in Alzheimer's Disease.**Journal of Alzheimer's disease : JAD** , Volume: 81 Issue: 2 2021

Authors Zhou Y, Wang Y, Quan M, Zhao H, Jia J

Structural and Functional Dysbiosis of Fecal Microbiota in Chinese Patients With Alzheimer`s Disease.**Frontiers in cell and developmental biology** , Volume: 8 2020

Authors Ling Z, Zhu M, Yan X, Cheng Y, Shao L, Liu X, Jiang R, Wu S

Gut Microbiome Features of Chinese Patients Newly Diagnosed with Alzheimer`s Disease or Mild Cognitive Impairment.****Journal of Alzheimer`s disease : JAD , 2021 Jan 26

Authors Guo M, Peng J, Huang X, Xiao L, Huang F, Zuo Z

A new proposal for the causative agent of the sporadic form of Alzheimer's disease.**Medical hypotheses** , Volume: 146 2021 Jan

Authors Reinscheid F

Associations between gut microbiota and Alzheimer`s disease, major depressive disorder, and schizophrenia.**Journal of neuroinflammation** , Volume: 17 Issue: 1 2020 Oct 2

Authors Zhuang Z, Yang R, Wang W, Qi L, Huang T

Review: Extragastrointestinal diseases and Helicobacter pylori.**Helicobacter** , Volume: 25 Suppl 1 2020 Sep

Authors Pellicano R, Ianiro G, Fagoonee S, Settanni CR, Gasbarrini A

Gut Microbiome of Healthy and Arthritic Dogs.

Veterinary sciences , Volume: 7 Issue: 3 2020 Jul 14

Authors Cirtio M,Scarsella E,Sgorlon S,Sandri M,Stefanon B

[Oral Health Status in Subjects with Amnesic Mild Cognitive Impairment and Alzheimer`s Disease: Data from the Zabút Aging Project.](#)

Journal of Alzheimer`s disease : JAD , 2020 Jun 4

Authors Panzarella V,Mauceri R,Baschi R,Maniscalco L,Campisi G,Monastero R

[d-glutamate and Gut Microbiota in Alzheimer`s Disease.](#)

International journal of molecular sciences , Volume: 21 Issue: 8 2020 Apr 11

Authors Chang CH,Lin CH,Lane HY

[Dietary Pattern, Gut Microbiota, and Alzheimer`s Disease.](#)

Journal of agricultural and food chemistry , 2020 Feb 28

Authors Zhang M,Zhao D,Zhou G,Li C

[Chronic Inflammatory Diseases at Secondary Sites Ensuing Urogenital or Pulmonary Chlamydia Infections.](#)

Microorganisms , Volume: 8 Issue: 1 2020 Jan 17

Authors Cheok YY,Lee CYQ,Cheong HC,Looi CY,Wong WF

[Infection of Fungi and Bacteria in Brain Tissue From Elderly Persons and Patients With Alzheimer's Disease.](#)

Frontiers in aging neuroscience , Volume: 10 2018

Authors Alonso R,Pisa D,Fernández-Fernández AM,Carrasco L

[Fecal Microbiome Signatures are Different in Food Allergic Children Compared to Siblings and Healthy Children.](#)

Pediatric allergy and immunology : official publication of the European Society of Pediatric Allergy and Immunology , 2018 Apr 6

Authors Kourosh A,Luna RA,Balderas M,Nance C,Anagnostou A,Devaraj S,Davis CM

[Gut microbiome alterations in Alzheimer`s disease.](#)

Scientific reports , Volume: 7 Issue: 1 2017 Oct 19

Authors Vogt NM,Kerby RL,Dill-McFarland KA,Harding SJ,Merluzzi AP,Johnson SC,Carlsson CM,Asthana S,Zetterberg H,Blennow K,Bendlin BB,Rey FE

[Alzheimer's Disease Histological and Behavioral Manifestations in Transgenic Mice Correlate with Specific Gut Microbiome State.](#)

Journal of Alzheimer's disease : JAD , Volume: 56 Issue: 1 2017

Authors Shen L,Liu L, Ji HF

[Association of brain amyloidosis with pro-inflammatory gut bacterial taxa and peripheral inflammation markers in cognitively impaired elderly.](#)

Neurobiology of aging , Volume: 49 2017 Jan

Authors Cattaneo A,Cattane N,Galluzzi S,Provasi S,Lopizzo N,Festari C,Ferrari C,Guerra UP,Paghera B,Muscio C,Bianchetti A,Volta GD,Turla M,Cotelli MS,Gennuso M,Prelle A,Zanetti O,Lussignoli G,Mirabile D,Bellandi D,Gentile S,Belotti G,Villani D,Harach T,Bolmont T,Padovani A,Boccardi M,Frisoni GB,INDIA-FBP Group.

[Bacteroides fragilis Lipopolysaccharide and Inflammatory Signaling in Alzheimer`s Disease.](#)

Frontiers in microbiology , Volume: 7 2016

Authors Lukiw WJ

[Impact of chronic Helicobacter pylori infection on Alzheimer's disease: preliminary results.](#)

Neurobiology of aging , Volume: 33 Issue: 5 2012 May

Authors Roubaud-Baudron C,Krolak-Salmon P,Quadrio I,Mégraud F,Salles N

[Chronic inflammation and amyloidogenesis in Alzheimer's disease – role of Spirochetes.](#)

Journal of Alzheimer's disease : JAD , Volume: 13 Issue: 4 2008 May

Authors Miklossy J

[The cure of one of the most frequent types of dementia: a historical parallel.](#)

Alzheimer disease and associated disorders , Volume: 19 Issue: 3 2005 Jul-Sep

Authors Nitrini R

[Molecular and immunological evidence of oral Treponema in the human brain and their association with Alzheimer's disease.](#)

Oral microbiology and immunology , Volume: 17 Issue: 2 2002 Apr

Authors Riviere GR,Riviere KH,Smith KS

[Role of infection in Alzheimer's disease.](#)

The Journal of the American Osteopathic Association , Volume: 101 Issue: 12 Suppl Pt 1 2001 Dec

Authors Balin BJ,Appelt DM

[A comparative study of the effects of high protein diets of soy and dairy on healthy aging by integrating multi-omics approaches.](#)

Food research international (Ottawa, Ont.) , Volume: 221 Issue: Pt 1 2025 Dec

Authors Tian Z,Xu J,Song Y,Ao X,Sun X,Fu Z,Chen Y,Hou W,Sun C

[Biological Characterization and Essential Oil Profiles of Eastern European Cultivars of Thymus, Satureja, and Monarda.](#)

Molecules (Basel, Switzerland) , Volume: 31 Issue: 2 2026 Jan 19

Authors Pokajewicz K,Chodura M,Lezrag HA,Svydenko L,Nabrdalik M,Moliszewska E,Fatmi S,Hudz N,Wieczorek PP

[The Effects of Soy Protein-Rich Meals on Muscle Health of Older Adults Are Linked to Gut Microbiome Modifications.](#)

Journal of cachexia, sarcopenia and muscle , Volume: 17 Issue: 1 2026 Feb

Authors Wu X,Lim KJ,Ma Y,Gu J,Jiang Y,Zhu L,Chen Y,Sun J

[Pear peel polyphenols protect against ulcerative colitis via coordinated modulation of gut microbiota and mucosal immunity.](#)

Food & function , 2026 Jan 23

Authors Ye Y,Jiang X,Jiang Y,Zhang L,Han B,Wang Y,Liu P,Lu X,Zhang C

[Effects of Lactobacillus paracasei LK01 on production performance, egg quality, antioxidant capacity, immunity and intestinal health of laying hens.](#)

Frontiers in veterinary science , Volume: 12 2025

Authors Wu T,Liu W,Yin X,Zhang L,Chen H,Zhang Y,Zhang C,Jiang R,Ding X

[Dietary inulin mediates the molecular mechanism of intestinal metabolites to alleviate high salt diet-induced chronic kidney disease in mice.](#)

The Journal of nutritional biochemistry , 2026 Jan 15

Authors Qu Q,Gao H,Gao X,Li P,Mou Y,Kong X,Tan X

[Lactiplantibacillus plantarum P16 mitigated murine colitis through modulation of immune response and gut microbiota.](#)

AMB Express , 2026 Jan 17

Authors Chen Z,Cheng Q,Zhang X,Sheng Z,Shi L,Zhang Y

[Therapeutic Mechanisms of Lactiplantibacillus plantarum NXU0014 Against Chronic Alcohol-Induced Liver Injury Mediated by Gut-Liver Axis Modulation.](#)

Molecular nutrition & food research , Volume: 70 Issue: 1 2026 Jan

Authors Ji Q,Wang Y,Huo L,Qiao C,Li F,Yang F,Pan L

[Nanogel-encapsulated Rosa roxburghii Tratt fruit polyphenols ameliorated ulcerative colitis by regulating gut microbiota and PI3K/Akt and NF- \$\kappa\$ B pathways.](#)

Food research international (Ottawa, Ont.) , Volume: 226 2026 Feb 28

Authors Long M,Wang H,Zhang F,Ran Y,Li Y,Luo J,Chen Z,Tian Z,Tan S,Liu X

[Age-dependent effects of exercise on gut microbiota-mitochondria axis and cognitive function in aging mice.](#)

Journal of exercise rehabilitation , Volume: 21 Issue: 6 2025 Dec

Authors Park SS,Park HS,Choi GR,Kim SH,Kim TW

[Change of oral microbiome diversity by smoking across different age groups.](#)

Frontiers in microbiology , Volume: 16 2025

Authors Seo K,Min JY,Min KB,Oh KH,Ryoo SW,Son SY,Lee JH

[Body Composition, Microbiome and Physical Activity in Workers Under Intermittent Hypobaric Hypoxia.](#)

Nutrients , Volume: 17 Issue: 24 2025 Dec 15

Authors Torres-Mejías J,Arriaza K,Mena F,Rivarola E,Paredes P,Ahmad H,López I,Soza D,Pino-Villalón JL,López-Espinoza MÁ,Duran-Agüero S,Merellano-Navarro E

[Exercise, APOE Genotype, and Testosterone Modulate Gut Microbiome-Cognition Associations in Prostate Cancer Survivors.](#)

Genes , Volume: 16 Issue: 12 2025 Dec 16

Authors Raber J,O'Neil A,Kasschau KD,Pederson A,Robinson N,Guidarelli C,Chalmers C,Winters-Stone K,Sharpton TJ

[Optimising exercise intensity for gut health: Effect on microbiota composition, barrier integrity and inflammation in male Wistar rats.](#)

Experimental physiology , 2025 Dec 28

Authors Sylviana N,Karisa P,Romadona NF,Megantara I

[Dairy product intake alters the correlations between circulating bile acids and short-chain fatty acids with the bacterial taxa Roseburia, Faecalibacterium, Flavonifractor and Verrucomicrobia.](#)

Lifestyle genomics , 2025 Dec 24

Authors Mahdavi A,Greffard K,Trottier J,Barbier O,Bilodeau JF,Lebel M,Rudkowska I

[Limosilactobacillus reuteri NCU-37 alleviates leuporelin-induced perimenopausal syndrome in infertile women by modulating the gut microbiota: a randomized controlled trial.](#)

Food & function , 2025 Dec 16

Authors Wu X,Chen W,Yong Q,Zeng Q,You J,Zeng K,Li T,Wei J,Xie Y,Xu T,Chen T

[Taxonomic and functional shifts in the microbiome of severely obese, prediabetic patients: Ketogenic diet versus energy-matched standard diet.](#)

Diabetes, obesity & metabolism , 2025 Dec 15

Authors Stone J,Tripyla A,Scalise MC,Balmer ML,Bally L,Meinel DM

Effect of Limosilactobacillus reuteri SBC5-3 Cell-free Supernatant on Growth Performance, Intestinal Inflammation, and Microbiota in Weaned Piglets Challenged With Enterotoxigenic Escherichia coli K88.

Probiotics and antimicrobial proteins , 2025 Dec 10

Authors Xu L,Bao G,Chen S,Liu C,Zi X,Hu M,Liu Q,Lin Q,Cao Z

Medium-chain triglycerides and ketogenic diet prevent alterations of the gut microbiome in transgenic Alzheimer's disease mice.

Communications biology , 2025 Dec 7

Authors M'Bra PEH,Suárez-Urbe I,Avino M,Ng Kwan Lim E,Mayhue M,Balthazar P,Aumont A,Prévost K,Massé E,Fernandes KJL

Effects of coarse corn or oat hulls on growth performance, intestinal health, and microbiota modulation in underperforming broilers.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 23 2025 Dec

Authors Akram MZ,Sureda EA,Corion M,Comer L,Zhao H,Schroyen M,Everaert N

A 30% high-fiber diet mitigates oxidative stress and inflammation while modulating cecal microbiota in rats undergoing high-intensity exercise.

BMC sports science, medicine & rehabilitation , 2025 Nov 29

Authors Athari SZ,Amoghli Tabrizi B,Khakpour M,Kianfar N,Khani E,Abbasi A,Nourazar MA

Gut Microbiota Modulation by Lacticaseibacillus paracasei EFEL6501 Ameliorates Muscle Atrophy.

Journal of microbiology and biotechnology , Volume: 35 2025 Nov 26

Authors Pyeon GN,Seong H,Moon JS,Han NS

Lactiplantibacillus plantarum Lp20 Alleviates High Fat Diet-Induced Obesity in Mice via Its Bile Salt Hydrolase Activity.

Nutrients , Volume: 17 Issue: 22 2025 Nov 14

Authors Bai X,Lu F,Jing Y,Wang H,Qian H,Zhang M,Zhai Z,Hao Y

Dietary fiber modulates gut microbiota and lipid metabolism ameliorating Alzheimer's pathology in 5xFAD mice.

Scientific reports , Volume: 15 Issue: 1 2025 Nov 26

Authors Zhao Y,Taylor CM,Lukiw WJ,Bazan NG

Integrated 16S rDNA and Metabolomics Analysis Unveils Dietary Fiber-Induced Changes in Small Intestinal Microbiota and Metabolites of Pigs.

Veterinary sciences , Volume: 12 Issue: 11 2025 Oct 24

Authors Wang H,Qi L,Xiao Y,Jin J,Huang R,Wu S,Bao W

Effect of Ningxiang pig-derived Lactobacillus reuteri supplementation on the growth performance, lipid metabolism, and gut microbiota of finishing pigs.

Porcine health management , 2025 Nov 25

Authors Xie Q,Yang M,Duanmu Q,Feng L,Liu L,Yin Y,Tan BE,Chen J

Depending on intensity, exercise improved or worsened pathology in a model of prodromal Parkinson's disease.

NPJ Parkinson's disease , Volume: 11 Issue: 1 2025 Nov 23

Authors Baldauf L,Feja M,Stanojlovic M,Strowig T,Visscher C,Schaeffer E,Berg D,Hankel J,Richter F

Oral Administration of Lactiplantibacillus plantarum KBL396 Regulates Serum 5-Hydroxytryptamine and Gut Microbiota: Evidence from a Preclinical Mouse Model and a Randomized Controlled Human Trial.

Probiotics and antimicrobial proteins , 2025 Nov 17

Authors Myung W,Jang SJ,Lee G,Lee C,Lee K,Moon SH,Jeong Y,Kim WK,Park S,Lee H,Park YS,Shin S,Nam TW,Jeon HJ,Ko G

Ketone ester supplementation protects from experimental colitis via improved goblet cell differentiation and function.

European journal of nutrition , Volume: 64 Issue: 8 2025 Nov 12

Authors Rohwer N,Sander A,Ocvirk S,Wiebel M,Kühl AA,Schebb NH,Grune T,Weylandt KH

Postbiotic delivery via alginate encapsulation alleviates DSS-induced colitis by modulating gut microbiota and SCFA-mediated immune signaling.

Food research international (Ottawa, Ont.) , Volume: 221 Issue: Pt 3 2025 Dec

Authors Yu Q,Zhu J,Huang M,Bai J,Zhu Y,Zhao Y,Yang Y,Xiao X

Bifidobacterium longum supplementation prevents intestinal inflammation and cognitive impairment in sleep-deprived mice by modulating clock gene expression.

Food & function , 2025 Nov 10

Authors Huang L,Li X,Guo M,Lu W,Zhao J,Xiao Y,Chen W

Gut Microbiota Dysbiosis and Associated Gut Health Outcomes Among Alcohol Consumers in Musanze District of Rwanda: A Cross-Sectional Study.

The East African health research journal , Volume: 9 Issue: 1 2025

Authors Higiro C,Habyarimana T,Izere C,Yadufashije C,Niyonzima FN

Lactobacillus Reuteri L81 Alleviates Intestinal Barrier Damage Induced by Escherichia Coli K99 in Mice by Modulating Gut Microbiota Composition and Metabolic Products.

Probiotics and antimicrobial proteins , 2025 Nov 8

Authors Li J,Peng H,Liang W,Chen L,Li Y,Zhang W

Gut microbiota composition and long-term physical activity in healthy older adults at high and low performance levels.

Experimental gerontology , Volume: 212 2025 Nov 4

Authors Fiorilli G,Medoro A,Viciani E,di Cagno A,Calcagno G,Di Costanzo A,Castagnetti A,Scapagnini G,Davinelli S

Aerobic exercise and gut flora: a key link to improved cognitive impairment in mice with Parkinson's disease.

Frontiers in aging neuroscience , Volume: 17 2025

Authors Shan WP,Yan SL,Guo YY,Yang HK,Wang JC,Xiang J

Dietary composition and fasting regimens differentially impact the gut microbiome and short-chain fatty acid profile in a Pakistani cohort.

Frontiers in systems biology , Volume: 5 2025

Authors Gul F,Herrema H,Ameer A,David M,Nasir A,Gerasimidis K,Ijaz UZ,Javed S

Comparative analysis of dietary fiber impact on bile acid metabolism and gut microbiota composition in mice.

Npj gut and liver , Volume: 2 Issue: 1 2025

Authors Zöchling A,Séneca J,Pjevac P,Auñon-Lopez A,Zebeli Q,Pignitter M,Duszka K

Evaluating the prebiotic activity of arabinogalactan on the human gut microbiota using 16S rRNA gene sequencing and Raman-activated cell sorting.

Microbiome research reports , Volume: 4 Issue: 3 2025

Authors Rasoulimehrabani H,Khadem S,Hodžić A,Philipp M,Gallo R,Nikolov G,Séneca J,Ramesmayer J,Sivulic P,Berry D

Lactobacillus paracasei N1115 alleviates hyperuricemia in mice: regulation of uric acid metabolism as well as its impact on gut microbiota and short-chain fatty acids.

Frontiers in nutrition , Volume: 12 2025

Authors Zhang H,Wang D,Li D,Bao B,Chen Q,Wang S,Han S,Zhao M

Effects of different intake levels of brown rice and whole wheat on the mental state of mice.

Food chemistry , Volume: 496 Issue: Pt 2 2025 Oct 9

Authors Zhi L,Wu T,Zhu Y,Zhao Q,Xue Y,Shen Q

Effects of home-based exercise training on gut microbiota and possible relations with cognitive function and metabolic health in postmenopausal women with type 2 diabetes mellitus: a randomized control trial.

Diabetes research and clinical practice , Volume: 229 2025 Oct 17

Authors Vahed A,Molanouri Shamsi M,Siadat SD,Behmanesh M,Negaraesh R,Agh-Mohammadi S,Ebrahimi M

Fiber deprivation and insoluble corn-based fibrous co-products modulate gastrointestinal mucosa-associated microbiota, extracellular matrix remodeling, and intestinal morphology in growing pigs.

Journal of animal science , 2025 Oct 16

Authors Miller HE,Sasser CN,Hernandez MS,Legako JF,Anderson CJ,Schmitz-Esser S,Ericsson AC,Broadway PR,Sanchez NCB,Carroll JA,Penn MJC,Petry AL

Exercise-induced modulation of gut microbiota in individuals with obesity and type 2 diabetes: a systematic review and meta-analysis.

Frontiers in microbiology , Volume: 16 2025

Authors Lin W,Pu L,Qian X,Pan J,Cheng R,Sun P

Lactocaseibacillus casei CB054 short-term supplementation effect on murine splenocyte cytokine transcription and the gut bacterial microbiota.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , 2025 Oct 8

Authors Zorzi VSG,Ramos JV,Conrad NL,Piraine REA,Santos FDS,Leite FPL

Ethanol-Induced Dysbiosis and Systemic Impact: A Meta-Analytical Synthesis of Human and Animal Research.

Microorganisms , Volume: 13 Issue: 9 2025 Aug 27

Authors Alexandrescu L,Tofolean IT,Tofolean DE,Nicoara AD,Twakor AN,Rusu E,Preotesoiu I,Dumitru E,Dumitru A,Tocia C,Herlo A,Alexandrescu DM,Popescu I,Cimpineanu B

Exercise-Induced Changes in Enterohepatic Communication Are Linked to Liver Steatosis Resolution.

Nutrients , Volume: 17 Issue: 18 2025 Sep 15

Authors Zou Y,Xia J,Zhang S,Guo Y,Liu W,Qi Z

Survival and Impact on Microbial Diversity of Lactocaseibacillus paracasei DG in a Simulation of Human Intestinal Microbial Ecosystem.

Nutrients , Volume: 17 Issue: 18 2025 Sep 13

Authors Duysburgh C,Fiore W,Marzorati M

Hepatic Histopathological Benefit, Microbial Cost: Oral Vancomycin Mitigates Non-Alcoholic Fatty Liver Disease While Disrupting the Cecal Microbiota.

International journal of molecular sciences , Volume: 26 Issue: 17 2025 Sep 4

Authors Çirkin G,Aydemir S,Açıkgöz B,Çelik A,Güler Y,Kiray M,Baykara B,Dinleyici EÇ,Öztürk Y

Effect of Lactiplantibacillus plantarum LPJZ-658 on caecum microbiota and serum metabolomics of Luhua broiler.

Frontiers in microbiology , Volume: 16 2025

Authors Li M,Liu Z,Chen C,Liu Z,Liu L

[Ketogenic Diet Modulates Gut Microbiota-Brain Metabolite Axis in a Sex- and Genotype-Specific Manner in APOE4 Mice.](#)**Journal of neurochemistry , Volume: 169 Issue: 9 2025 Sep**

Authors Ivanich K,Yackzan A,Flemister A,Chang YH,Xing X,Chen A,Yanckello LM,Sun M,Aware C,Govindarajan M,Kramer S,Ericsson A,Lin AL

[Mango by-Product-Based High-Fiber Confectionery Attenuates Liver Steatosis and Alters Gut Microbiota in High-Fat Diet-Fed Rats.](#)**Molecular nutrition & food research , 2025 Aug 30**

Authors Barbosa Y,Gaytán-Martínez M,de Los Ríos-Arellano EA,Chavez-Santoscoy RA,Hinojosa-Alvarez S,Antunes-Ricardo M,Luzardo-Ocampo I,Ramírez-Jiménez AK

[Probiotic Lactiplantibacillus plantarum Probio87 Improves Gut Microbial Profiles in HPV-Positive Women: A Randomized, Placebo-Controlled and Double-Blind Study.](#)**Molecular nutrition & food research , 2025 Aug 30**

Authors Xu P,Mageswary MU,Nisaa AA,Samsudin SB,Rusdi NIBM,Jerip ARA,Oon CE,Sany SB,Tan CS,Zhu ZH,Liong MT

[Strain-Specific Lactobacillus Probiotics Intervention in Mitigating Obesity and Metabolic Dysregulation via Gut Microbiota Modulation in a Mouse Model of High-Fat Diet.](#)**Probiotics and antimicrobial proteins , 2025 Aug 29**

Authors Shad E,Azadikhah F,Shekarforoush S,Nazifi S,Eskandari MH

[High-calcium milk improves osteoporosis in postmenopausal women by regulating intestinal flora and steroid hormone biosynthesis.](#)**Frontiers in nutrition , Volume: 12 2025**

Authors Zhao Y,Li X,Liu Y,Wang Q,Zhao J,Pan H,Chen H,Liu B,Qiao W,Lin L,Jin Y,Chen L

[The efficacy of lactobacillus reuteri in conjunction with racecadotril in managing pediatric rotavirus enteritis and its impact on intestinal mucosa and immune function.](#)**African health sciences , Volume: 25 Issue: 2 2025 Jun**

Authors He Z,Lan L,Chen N,Cheng Y,Gong S

[Hydroxyethyl starch-curcumin nanoparticles ameliorate DSS-induced ulcerative colitis in mice via synergistic TLR4/NF- \$\kappa\$ B suppression, Nrf2 activation, intestinal barrier restoration, and gut microbiota modulation.](#)**Frontiers in pharmacology , Volume: 16 2025**

Authors Li S,Lu S,Xiong J,Chen L,Lin Y,Chen X,Wang X,Lin L,Cai X,Yang X

[Lactiseibacillus paracasei L21 and Its Postbiotics Ameliorate Ulcerative Colitis Through Gut Microbiota Modulation, Intestinal Barrier Restoration, and HIF1 \$\alpha\$ /AhR-IL-22 Axis Activation: Combined In Vitro and In Vivo Evidence.](#)**Nutrients , Volume: 17 Issue: 15 2025 Aug 1**

Authors Chen J,Zhang L,Jiao Y,Lu X,Zhang N,Li X,Zheng S,Li B,Liu F,Zuo P

[Lactiplantibacillus plantarum promotes lactoferrin synthesis and secretion in bovine mammary epithelial cells through STAT3 and AP-1 transcription factor pathways.](#)**In vitro cellular & developmental biology. Animal , 2025 Aug 13**

Authors Zhou J,Lian S,Geng Z,Yang Y,Wu R,Wang J

[The mechanism of curcumin inhibits Bacillus cereus protease production by modulating the LuxS/AI-2 system.](#)**International journal of food microbiology , Volume: 442 2025 Aug 5**

Authors Wang L,Li S,Liu J,Qi X,Cheng J,Guo L,Yang X,Jiang Y

[Lactiplantibacillus plantarum MTCC 25433 and Quercetin Blend Ameliorate Benzo\[a\]pyrene-Induced Gut Dysregulation in a Murine Model.](#)**Current microbiology , Volume: 82 Issue: 9 2025 Aug 4**

Authors Goyal SP,Chandratre GA,Rawat A,Kondepuddi KK,Badgujar PC,Saravanan C

[Apiaceous Vegetables Attenuated Inflammation Markers and Enriched Gut Lachnospiraceae in Mice Fed Western Diets.](#)**Journal of medicinal food , 2025 Jul 22**

Authors Lee HS,Narvaez RM,Gallagher DD,Chai J,Zhao J,Pan J,Kim JK,Trudo SP

[The impact of Bifidobacterium longum CCFM1112 on chronic constipation: a randomised, double-blind, placebo-controlled study.](#)**Beneficial microbes , 2025 Jul 21**

Authors Liu W,Wang J,Xue Y,Li J,Huang Y,Zhu S,Wang L,Wang G,Chen W,Zhao J

[Multi-omics analyses the effect of Bifidobacterium longum subsp. longum BL21 supplementation on overweight and obese subjects: a randomized, double-blind, placebo-controlled study.](#)**Nutrition & metabolism , Volume: 22 Issue: 1 2025 Jul 17**

Authors Wang X,Xing Z,Wang R,Zhang G,Liu G,Li Z,Li L

[Synbiotic Administration of d-Tagatose and Lactiseibacillus casei ATCC 393 Improves Hyperlipidemia in BALB/c Mice by](#)

Modulating Gut Microbiota and Metabolic Parameters.**Food science & nutrition** , Volume: 13 Issue: 7 2025 Jul

Authors Cavdar M,Nogay NH,Dincer E,Karabulut D,Onal MG,Bolat S

Effect of a 6-Month Functional Food Intervention on the Microbiota of Stunted Children in East Nusa Tenggara, Indonesia-A Randomized Placebo-Controlled Parallel Trial.**Foods (Basel, Switzerland)** , Volume: 14 Issue: 13 2025 Jun 24

Authors Surono IS,Venema K,Martosudarmo S,Kusumo PD

Effects of Dietary Ratio of Insoluble Fiber to Soluble Fiber on Reproductive Performance, Biochemical Parameters, and Fecal Microbial Composition of Gestating Sows.**Animals : an open access journal from MDPI** , Volume: 15 Issue: 13 2025 Jun 23

Authors Wen X,Wu Q,Gao K,Yang X,Xiao H,Jiang Z,Wang L

Lactobacillales derived from traditional Xizang dairy products improve insomnia and restore neurotransmitter-metabolic profiles via gut microbiota in PCPA-induced mice.**Microbiological research** , Volume: 300 2025 Jul 8

Authors Li P,Yang L,Shao X,Zou Z,Shi H,Sun Y,Wu X,Li Z,Li Y,Li Z

Effects of supplementation with *Saccharomyces boulardii* CNCM I-1079 on the fecal microbiota of healthy young Japanese black calves: A field trial.**Canadian journal of veterinary research = Revue canadienne de recherche veterinaire** , Volume: 89 Issue: 3 2025 Jul

Authors Mori K,Uchiumi A,Yamamoto K,Shimizu Y,Ueda R,Fukazawa H,Ohtsuka H

Transforming Gut Health through Ramadan Intermittent Fasting: A Review on Metabolic and Microbiomic Insights.**Clinical nutrition ESPEN** , 2025 Jul 1

Authors Elhag MRA,Abu-Median AB,Da Boit M,Haris PI,Madkour MI,Alkawamleh DH,Faris M

Impact of exercise-induced alterations on gut microbiota diversity and composition: comparing effects of different training modalities.**Cell regeneration (London, England)** , Volume: 14 Issue: 1 2025 Jul 2

Authors Wang Y,Bai S,Yang T,Guo J,Zhu X,Dong Y

Licorice Total Flavonoids and Its Gut-Enriched *Lactobacillus plantarum* Synergistically Activate the Nrf2 Pathway to Alleviate Liver Injury.**Journal of agricultural and food chemistry** , 2025 Jul 2

Authors Qu Q,Ma Y,Gao X,Lin Y,Guan Y,Wang Z,Zhang W,Jin W,Guo A,Lv W,Guo S

Exploring the role of gut microbiota in rheumatoid arthritis: the effects of diet and drug supplementation.**BMC rheumatology** , Volume: 9 Issue: 1 2025 Jul 1

Authors Genc DE,Ozbek O,Ulgen KO

Combined Phytochemical Sulforaphane and Dietary Fiber Inulin Contribute to the Prevention of ER-Negative Breast Cancer via PI3K/AKT/MTOR Pathway and Modulating Gut Microbial Composition.**Nutrients** , Volume: 17 Issue: 12 2025 Jun 17

Authors Wu H,Witt BL,van der Pol WJ,Morrow CD,Duck LW,Tollefsbol TO

Limosilactobacillus reuteri M4-100 Mitigates the Pathogenicity of *Escherichia coli* Strain HMLN-1 in an Intestinal Epithelial Model and Modulates Host Cell Gene Expression.**Microorganisms** , Volume: 13 Issue: 6 2025 Jun 19

Authors Asgari B,Bradford G,Hatje E,Kuballa A,Katouli M

Exercise Remodels Akkermansia-Associated Eicosanoid Metabolism to Alleviate Intestinal Senescence: Multi-Omics Insights.**Microorganisms** , Volume: 13 Issue: 6 2025 Jun 13

Authors Yu C,Liu X,Li Y,Li S,Huang Y,Liu S,Shao H,Shen Y,Fu L

The effects of nut intake on gut microbiome composition and gut function in adults: a systematic review and meta-analysis.**Advances in nutrition (Bethesda, Md.)** , 2025 Jun 13

Authors Snelson M,Biesiekierski JR,Chen S,Sultan N,Cardoso BR

Investigation of the Mitigating Mechanism of *Bifidobacterium longum* 300 in d-Galactose-Induced Cognitive Impairment in Mice.**Journal of agricultural and food chemistry** , 2025 Jun 14

Authors Zhang X,Ma X,Zhang J,Nie H,Mu G,Wu X

Intermittent fasting inhibits the development of colorectal cancer in APC (Min/+) mice through gut microbiota and its related metabolites.**Frontiers in microbiology** , Volume: 16 2025

Authors Chen J,Su R,He Y,Chen J

Impact of the Probiotic on the Modulation of Vaginal Bacterial and Fungal Microbiota in HPV-Positive Women.**Molecular nutrition & food research** , 2025 Jun 11

Authors Xu P,Uma Mageswary M,Nisaa AA,Balasubramaniam SD,Samsudin SB,Rusdi NIBM,Jerip ARA,Oon CE,Bakar MHA,Tan JJ,Roslan FF,Kadir MN,Ismail EHBE,Sany SB,Tan CS,Liong MT

[Prebiotic potential of wheat and dark rye: modulation of gut microbiota and short-chain fatty acid-producing bacteria.](#)

Food science and biotechnology , Volume: 34 Issue: 11 2025 Jul

Authors Kim J,Kim J,Kim G,Kim S,Shin H

[Dietary supplementation with soluble corn fiber improved fecal score, microbiota, and SCFAs in dogs.](#)

Frontiers in veterinary science , Volume: 12 2025

Authors Liang D,Zhao S,Yin G

[Impact of Ginger on Gut Microbiota Composition and Function in a Bacteroides-Dominant Enterotype.](#)

Journal of microbiology and biotechnology , Volume: 35 2025 May 26

Authors Kim J,Ha J,Kim S,Kim G,Shin H

[Lactobacillus plantarum and Galacto-Oligosaccharides Synbiotic Relieve Irritable Bowel Syndrome by Reshaping Gut Microbiota and Attenuating Mast Cell Hyperactivation.](#)

Nutrients , Volume: 17 Issue: 10 2025 May 14

Authors Yao Q,Zhang W,Wang Y,Shi L,Zhao Y,Liang J,Zhao Y,Kang J,Zheng X,Guo R,Yuan T,She Y,Liu Z

[Bifidobacterium animalis Supplementation Improves Intestinal Barrier Function and Alleviates Antibiotic-Associated Diarrhea in Mice.](#)

Foods (Basel, Switzerland) , Volume: 14 Issue: 10 2025 May 11

Authors Du X,Liu M,Li J,Liu Y,Ge S,Gao H,Zhang M

[Effects of Exercise on Gut Microbiome and Serum Metabolomics in Post-Traumatic Osteoarthritis Rats.](#)

Metabolites , Volume: 15 Issue: 5 2025 May 20

Authors Hao X,Shang X,Zhang Y,Hou W,Chi R,Pan C,Liu J,Deng X,Zhang J,Xu T

[Impact of probiotic Lactobacillus plantarum GKM3 on gastrointestinal health in overweight and obese individuals: A randomized clinical trial.](#)

Clinical nutrition ESPEN , Volume: 68 2025 May 16

Authors Tsai YS,Lin XB,Lin SW,Chen YL,Hsu CL,Chen CC

[The protective effects of propolis against lipopolysaccharide-induced acute liver injury by modulating serum metabolites and gut flora.](#)

Scientific reports , Volume: 15 Issue: 1 2025 May 15

Authors Liu Z,Li Z,Guo Y,Li Y,Xuan H

[Crosstalk Among Gut Microbiota, Fecal Metabolites, and Amygdala Neuropathology Genes After Ginger Polyphenol Administration in Female Rats with Neuropathic Pain: Evidence for Microbiota-Gut-Brain Connection.](#)

Nutrients , Volume: 17 Issue: 9 2025 Apr 25

Authors Shen CL,Santos JM,Elmassry MM,Chen F,Ji G,Presto P,Kiritoshi T,Liu X,Neugebauer V

[A single-cell transcriptomic atlas of all cell types in the brain of 5xFAD Alzheimer mice in response to dietary inulin supplementation.](#)

BMC biology , Volume: 23 Issue: 1 2025 May 9

Authors Wang X,Zhang H,Wan Z,Li X,Ibáñez CF,Xie M

[Efficacy of Limosilactobacillus reuteri UBLRu-87 in Infantile Colic and Its Symptoms: A Double-Blind, Placebo-Controlled Study.](#)

Cureus , Volume: 17 Issue: 4 2025 Apr

Authors Venkataraman R,Kotyal Basvanyappa M,Samanta B,Yadla M,Ravi NA,Neelamraju J,Madempudi RS

[Barley polysaccharides modulate metabolic and mild cognitive impairment in naturally aging mice through the liver-gut-brain axis.](#)

International journal of biological macromolecules , 2025 May 6

Authors Fan M,Jiang Y,Cai C,Wang Z,Chen L,Zhang X,Yin H,Hu S,Liu J,Qian Z,Huang S

[Inulin Modulates Gut Microbiota and Increases Short-Chain Fatty Acids Levels to Inhibit Colon Tumorigenesis in Rat Models: A Systematic Review and Meta-Analysis.](#)

Journal of food science , Volume: 90 Issue: 5 2025 May

Authors Yu Y,He J,Fu H,Mi Y,Wu H,Gao Y,Li M

[Inulin Diet Alleviates Abdominal Aortic Aneurysm by Increasing Akkermansia and Improving Intestinal Barrier.](#)

Biomedicines , Volume: 13 Issue: 4 2025 Apr 9

Authors Guo S,Yang F,Zhang J,Liao Y,Xia N,Tang T,Wang C,Wang QK,Chen C,Hu D,Shan Z,Cheng X

[Effects of Aerobic Exercise and Intermittent Fasting on Fecal Microbiome Diversity in Obese Mice.](#)

Discovery medicine , Volume: 37 Issue: 195 2025 Apr

Authors Yuan L,Luan Y,Hong W,Zhang B,Xiong Y

[Alleviating Effect of Lactiplantibacillus plantarum HYY-S10 on Colitis in Mice Based on an Analysis of the Immune Axis in the Intestine.](#)

Microorganisms , Volume: 13 Issue: 4 2025 Apr 7

Authors Li M,Liu X,Chen W,Xu H,Huang F,Yao Q,Jia X,Huang Y

Effect of a 24-week supervised concurrent exercise intervention on fecal microbiota diversity and composition in young sedentary adults: The ACTIBATE randomized controlled trial.

Clinical nutrition (Edinburgh, Scotland) , Volume: 49 2025 Apr 15

Authors Martinez-Tellez B,Xu H,Ortiz-Alvarez L,Rodríguez-García C,Schönke M,Jurado-Fasoli L,Osuna-Prieto FJ,Alcantara JMA,Acosta FM,Amaro-Gahete FJ,Folkerts G,Vilchez-Vargas R,Link A,Plaza-Diaz J,Gil A,Labayen I,Fernandez-Veledo S,Rensen PCN,Ruiz JR

Alcohol exposure alters the diversity and composition of oral microbiome.

Frontiers in cellular and infection microbiology , Volume: 15 2025

Authors Zhao Z,Li J,Liu J,Zhang X,Qie Y,Sun Y,Liu N,Liu Q

Effects of Dietary Fiber and Acetate on Alcoholic Heart Disease and Intestinal Microbes in Mice.

Molecular nutrition & food research , 2025 Apr 18

Authors Siang W,Li Jin J,Yinming J,Wenji L,Yan F

Associations of alcohol with the human gut microbiome and prospective health outcomes in the FINRISK 2002 cohort.

European journal of nutrition , Volume: 64 Issue: 4 2025 Apr 11

Authors Koponen K,McDonald D,Jousilahti P,Meri G,Inouye M,Lahti L,Niiranen T,Männistö S,Havulinna A,Knight R,Salomaa V

Dry ginger and Schisandra chinensis modulate intestinal flora and bile acid metabolism to treatment asthma.

Frontiers in microbiology , Volume: 16 2025

Authors Yu Y,Geng S,Bu C,Cao G,Han Y,Xie D,Hong Y

Supplemental Probiotics, Postbiotics, and Their Combination on the Growth, Slaughter Variables, Organ Development, Intestinal Morphology, and Cecal Microbiota of Broilers.

Probiotics and antimicrobial proteins , 2025 Apr 9

Authors Zhu X,Zhang X,Zhang Y,Li F

Structural characterization of β -glucan in Hericium erinaceus pretreated by steam explosion and its effects on human gut microbiota in vitro.

Food chemistry , Volume: 482 2025 Apr 4

Authors Chen S,Ling B,Liu X,Liu L,Feng J,Zhang J,Yang Y,Wu D,Guo Q,Liu Y

Effects of dietary fiber on the composition, function, and symbiotic interactions of intestinal microbiota in pre-weaned calves.

Frontiers in microbiology , Volume: 16 2025

Authors Lu W,Yi X,Ge Y,Zhang X,Shen K,Zhuang H,Deng Z,Liu D,Cao J,Ma C

Effects of combined prebiotic fiber supplementation and weight loss counseling in adults with metabolic dysfunction-associated steatotic liver disease: a randomized controlled trial.

European journal of nutrition , Volume: 64 Issue: 4 2025 Apr 2

Authors Mayengbam S,Raman M,Parnell JA,Eksteen B,Lambert JE,Elser LK,Nicolucci AC,Aktary ML,Reimer RA

Examining the potential prebiotic effect of almonds.

Journal of applied microbiology , 2025 Mar 28

Authors Tahiri M,Gilbert JA

Superior ability of dietary fiber utilization in obese breed pigs linked to gut microbial hydrogenotrophy.

ISME communications , Volume: 5 Issue: 1 2025 Jan

Authors Li X,Mu C,Wu H,Zoetendal EG,Huang R,Yu K,Zhu W

Curcumin Ameliorated Glucocorticoid-Induced Osteoporosis While Modulating the Gut Microbiota and Serum Metabolome.

Journal of agricultural and food chemistry , 2025 Mar 26

Authors Li S,Zhang Y,Ding S,Chang J,Liu G,Hu S

Alleviation effects of Lactobacillus plantarum in colitis aggravated by a high-salt diet depend on intestinal barrier protection, NF- κ B pathway regulation, and oxidative stress improvement.

Food & function , 2025 Mar 20

Authors Chen Y,Liu N,Chen F,Liu M,Mu Y,Wang C,Xia L,Peng M,Zhou M

Maternal dietary inulin intake during late gestation and lactation ameliorates intestinal oxidative stress in piglets with the involvements of gut microbiota and bile acids metabolism.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 20 2025 Mar

Authors Lu D,Feng C,Pi Y,Ye H,Wu Y,Huang B,Zhao J,Han D,Soede N,Wang J

Oat β -glucan prevents high fat diet induced obesity by targeting ileal Farnesoid X receptor-fibroblast growth factor 15 signaling.

International journal of biological macromolecules , Volume: 306 Issue: Pt 3 2025 Feb 26

Authors Huang K,Hong C,Huang Y,Liu Y,Yu Z,Li S,Guan X,Zhao W

β -Glucan Alone or Combined with Lactobacillus acidophilus Positively Influences the Bacterial Diversity and Metabolites in the Colonic Microbiota of Type II Diabetic Patients.

Probiotics and antimicrobial proteins , 2025 Feb 26

Authors Clementino JR,de Oliveira LG,Salgaço MK,de Oliveira FL,Mesa V,Tavares JF,Silva-Pereira L,Raimundo BVB,Oliveira KC,Medeiros AI,Silva FA,Sivieri K,Magnani M

[Intermittent fasting regulates gut microbiota and serum metabolome profiles in middle-aged mice fed high-fat diet.](#)

Nutrition & metabolism , Volume: 22 Issue: 1 2025 Feb 25

Authors Li Z,Chen S,Yin B,Wei J,Wang D,Zhou H,Sun Z

[Gut microbiota modulation and inflammation mitigation in a murine model through a hull-less and purple grain barley genotype.](#)

Food & function , 2025 Feb 25

Authors Cortijo-Alfonso ME,Laghouchaout H,Pena RN,Martínez M,Yuste S,Rubio-Piqué L,Piñol-Felis C

[Correlation between daily physical activity and intestinal microbiota in perimenopausal women.](#)

Sports medicine and health science , Volume: 7 Issue: 3 2025 May

Authors Zheng Y,Ke J,Song J,Li X,Kuang R,Wang H,Li S,Li Y

[Carbon dioxide enhances Akkermansia muciniphila fitness and anti-obesity efficacy in high-fat diet mice.](#)

The ISME journal , 2025 Feb 23

Authors Wang X,Yang Q,Shi C,Wang Y,Guo D,Wan X,Dong P,Zhang Q,Hu Y,Zhang R,Yang H,Chen W,Liu Z

[Oat \$\beta\$ -glucan enhances gut barrier function and maintains intestinal homeostasis in naturally aging mice.](#)

International journal of biological macromolecules , Volume: 305 Issue: Pt 1 2025 Feb 15

Authors Huang R,Zhang J,Sun M,Xu L,Kuang H,Xu C,Guo L

[Dairy Consumption and the Colonic Mucosa-Associated Gut Microbiota in Humans-A Preliminary Investigation.](#)

Nutrients , Volume: 17 Issue: 3 2025 Feb 2

Authors Chen E,Ajami NJ,White DL,Liu Y,Gurwara S,Hoffman K,Graham DY,El-Serag HB,Petrosino JF,Jiao L

[Synergistic defecation effects of Bifidobacterium animalis subsp. lactis BL-99 and fructooligosaccharide by modulating gut microbiota.](#)

Frontiers in immunology , Volume: 15 2024

Authors Zhang Q,Zhao W,Luo J,Shi S,Niu X,He J,Wang Y,Zeng Z,Jiang Q,Fang B,Chen J,Li Y,Wang F,He J,Guo J,Zhang M,Zhang L,Ge S,Hung WL,Wang R

[The effect of high-fiber diet based on gut microbiota in patients with chronic heart failure.](#)

Physiological genomics , Volume: 57 Issue: 3 2025 Mar 1

Authors Li L,Yang L,Liu M

[Oat Beta-Glucans Modulate the Gut Microbiome, Barrier Function, and Immune Responses in an In Vivo Model of Early-Stage Colorectal Cancer.](#)

International journal of molecular sciences , Volume: 25 Issue: 24 2024 Dec 19

Authors Guzowska M,Dziendzikowska K,Kopiasz L,Gajewska M,Wilczak J,Harasym J,Czerwinska M,Gromadzka-Ostrowska J

[Curcumin Mitigates Gut Dysbiosis and Enhances Gut Barrier Function to Alleviate Metabolic Dysfunction in Obese, Aged Mice.](#)

Biology , Volume: 13 Issue: 12 2024 Nov 21

Authors Lamichhane G,Olawale F,Liu J,Lee DY,Lee SJ,Chaffin N,Alake S,Lucas EA,Zhang G,Egan JM,Kim Y

[Gut microbiota involvement in the effect of water-soluble dietary fiber on fatty liver and fibrosis.](#)

Bioscience of microbiota, food and health , Volume: 44 Issue: 1 2025

Authors Sato S,Iino C,Chinda D,Sasada T,Soma G,Tateda T,Furusawa K,Yoshida K,Sawada K,Mikami T,Nakaji S,Sakuraba H,Fukuda S

[Inulin alleviates chronic ketamine-induced impairments in memory and prepulse inhibition by regulating the gut microbiota, inflammation, and kynurenine pathway.](#)

International journal of biological macromolecules , Volume: 294 2025 Mar

Authors Xu Z,Lu H,Hu C,Wen Y,Shang D,Gan T,Guo Z,Dai L,Luo Y

[Fecal Metaproteomics as a Tool to Monitor Functional Modifications Induced in the Gut Microbiota by Ketogenic Diet: A Case Study.](#)

Proteomics , 2025 Jan 5

Authors Tanca A,Masia S,Giustacchini P,Uzzau S

[Probiotic treatment induces changes in intestinal microbiota but does not alter SCFA levels in peritoneal dialysis patients-a randomized, placebo-controlled trial.](#)

Scientific reports , Volume: 14 Issue: 1 2024 Dec 28

Authors Zhou S,Yan Y,Chu R,Chen N,Wang L,Zhang H,Wang Y,Wang M,Na L,Ren H,Chen M,Li PK,Tian N

[Oral administration of Bifidobacterium longum and Bifidobacterium infantis ameliorates cefcapene pivoxil-induced attenuation of anti-programmed cell death protein-1 antibody action in mice.](#)

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 182 2025 Jan

Authors Funayama E,Hosonuma M,Tajima K,Isobe J,Baba Y,Murayama M,Narikawa Y,Toyoda H,Tsurui T,Maruyama Y,Sasaki

A,Amari Y,Yamazaki Y,Nakashima R,Uchiyama J,Nakano R,Shida M,Sasaki A,Udaka Y,Oguchi T,Sambe T,Kobayashi S,Tsuji M,Kiuchi Y,Kim YG,Wada S,Tsunoda T,Akiyama M,Nobe K,Kuramasu A,Yoshimura K

[Study on the Mechanism of Bifidobacterium animalis subsp. lactis F1-3-2 Regulating Bile Acid Metabolism Through TMAO-TMAO Pathway to Improve Atherosclerosis.](#)

Probiotics and antimicrobial proteins , 2024 Dec 21

Authors Zheng X,Zhang Z,Shan T,Zhao M,Lu H,Zhang L,Liang X

[Impact of cigarette smoking on gut microbial dysbiosis: a structured literature review.](#)

Gut microbiome (Cambridge, England) , Volume: 5 2024

Authors Imade EE,Obayagbona NO

[Antimicrobial activities of seasonally collected bee products: honey, propolis, royal jelly, venom, and mellitin.](#)

Brazilian journal of biology = Revista brasileira de biologia , Volume: 84 2024

Authors Obeidat M,Haddad MA,Ghnamat SA

[Gut Microbiota: Association with Fiber Intake, Ultra-Processed Food Consumption, Sex, Body Mass Index, and Socioeconomic Status in Medical Students.](#)

Nutrients , Volume: 16 Issue: 23 2024 Dec 9

Authors Moreno-Altamirano L,Robles-Rivera K,Castelán-Sánchez HG,Vaca-Paniagua F,Iñárritu Pérez MDC,Hernández-Valencia SE,Cruz-Casarrubias C,García-García JJ,Ruiz de la Cruz M,Martínez-Gregorio H,Díaz Velásquez CE,Soto-Estrada G,Navarro-Ocaña A,Carrillo-Medina S

[Clinical Efficacy of Probiotics for Allergic Rhinitis: Results of an Exploratory Randomized Controlled Trial.](#)

Nutrients , Volume: 16 Issue: 23 2024 Nov 30

Authors Lungaro L,Malfa P,Manza F,Costanzini A,Valentini G,Squarzanti DF,Viciani E,Velichevskaya A,Castagnetti A,Barbalinardo M,Gentili D,Cariani A,Ghisellini S,Caputo F,De Giorgio R,Caio G

[A Novel Supplement Consisting of Rice, Silkworm Pupae and a Mixture of Ginger and Holy Basil Improves Post-Stroke Cognitive Impairment.](#)

Nutrients , Volume: 16 Issue: 23 2024 Nov 29

Authors Thongwong P,Wattanathorn J,Thukham-Mee W

[Effect of Lactobacillus paracasei LK01 on Growth Performance, Antioxidant Capacity, Immunity, Intestinal Health, and Serum Biochemical Indices in Broilers.](#)

Animals : an open access journal from MDPI , Volume: 14 Issue: 23 2024 Dec 1

Authors Liu W,Cheng H,Zhang H,Liu G,Yin X,Zhang C,Jiang R,Wang Z,Ding X

[Wheat \$\beta\$ -glucan reduces obesity and hyperlipidemia in mice with high-fat and high-salt diet by regulating intestinal flora.](#)

International journal of biological macromolecules , Volume: 288 2025 Feb

Authors Li M,Wang Q,Zhang X,Li K,Niu M,Zhao S

[Open Label Vancomycin in Primary Sclerosing Cholangitis-Inflammatory Bowel Disease: Improved Colonic Disease Activity and Associations With Changes in Host-Microbiome-Metabolomic Signatures.](#)

Journal of Crohn's & colitis , Volume: 19 Issue: 2 2025 Feb 4

Authors Quraishi MN,Cheesbrough J,Rimmer P,Mullish BH,Sharma N,Efstathiou E,Acharjee A,Gkoutos G,Patel A,Marchesi JR,Camuzeaux S,Chappell K,Valdivia-Garcia MA,Ferguson J,Brookes MJ,Walmsley M,Rossiter AE,van Schaik W,McInnes RS,Cooney R,Trauner M,Beggs AD,Iqbal TH,Trivedi PJ

[Effect of the arabinogalactan from Ixeris chinensis \(Thunb.\) Nakai. attenuates DSS-induced colitis and accompanying depression-like behavior.](#)

International journal of biological macromolecules , Volume: 286 2025 Jan

Authors Gong X,Cai W,Yang D,Wang W,Che H,Li H

[Polysaccharides from Lycium barbarum, yam, and sunflower ameliorate colitis in a structure and intrinsic flora-dependent manner.](#)

Carbohydrate polymers , Volume: 349 Issue: Pt A 2025 Feb 1

Authors Zhang S,Zhou R,Xie X,Xiong S,Li L,Li Y

[Altered interaction network in the gut microbiota of current cigarette smokers.](#)

Engineering microbiology , Volume: 4 Issue: 2 2024 Jun

Authors Zhu Z,Wang M,Guan Y,Li M,Peng Q,Zheng N,Ma W

[Effects of Lactiplantibacillus plantarum LM1215 on Candida albicans and Gardnerella vaginalis.](#)

Yonsei medical journal , Volume: 65 Issue: 12 2024 Dec

Authors Bae WY,Lee YJ,Jo S,Shin SL,Kim TR,Sohn M,Seol HJ

[The probiotic Lactobacillus plantarum alleviates colitis by modulating gut microflora to activate PPAR \$\gamma\$ and inhibit MAPKs/NF- \$\kappa\$ B.](#)

European journal of nutrition , Volume: 64 Issue: 1 2024 Nov 28

Authors Zang R,Zhou R,Li Y,Wu H,Lu L,Xu H

[Chitin promotes equol production via n-acetylglucosamine in human fecal cultures.](#)

Anaerobe , Volume: 91 2024 Nov 26

Authors Kodera M,Nakamura K,Yokoyama S

[Effect of Postbiotic Bifidobacterium longum CECT 7347 on Gastrointestinal Symptoms, Serum Biochemistry, and Intestinal Microbiota in Healthy Adults: A Randomised, Parallel, Double-Blind, Placebo-Controlled Pilot Study.](#)**Nutrients , Volume: 16 Issue: 22 2024 Nov 19**

Authors Naghibi M,Pont-Beltran A,Lamelas A,Llobregat L,Martinez-Blanch JF,Rojas A,Álvarez B,López Plaza B,Arcos Castellanos L,Chenoll E,Vijayakumar V,Day R

[Heat-Killed Lactobacillus paracasei SMB092 Reduces Halitosis by Stimulating the Expression of \$\beta\$ -Defensins in Oral Keratinocytes.](#)**Microorganisms , Volume: 12 Issue: 11 2024 Oct 25**

Authors Kim WJ,Jung G,Kim T,Kim J,Hurh BS,Kim H,Soung DY

[Generalized Ketogenic Diet Induced Liver Impairment and Reduced Probiotics Abundance of Gut Microbiota in Rat.](#)**Biology , Volume: 13 Issue: 11 2024 Nov 4**

Authors Song G,Song D,Wang Y,Wang L,Wang W

[Probiotic-Loaded Bacterial Cellulose as an Alternative to Combat Carbapenem-Resistant Bacterial Infections.](#)**Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 11 2024 Oct 25**

Authors Gutiérrez-Fernández J,Cerezo-Collado L,Garcés V,Alarcón-Guijo P,Delgado-López JM,Dominguez-Vera JM

[Supplementation with inulin reverses cognitive flexibility alterations and modulates the gut microbiota in high-fat-fed mice.](#)**Frontiers in behavioral neuroscience , Volume: 18 2024**

Authors González-Velázquez G,Aguirre-Garrido JF,Oros-Pantoja R,Salinas-Velarde ID,Contreras I,Estrada JA,Soto-Piña AE

[Protective effects of insoluble dietary fiber from cereal bran against DSS-induced chronic colitis in mice: From inflammatory responses, oxidative stress, intestinal barrier, and gut microbiota.](#)**International journal of biological macromolecules , Volume: 283 Issue: Pt 2 2024 Dec**

Authors Li M,Wang Q,Niu M,Yang H,Zhao S

[Daily intake of a dairy-based nutritional supplement improved self-reported gastrointestinal symptoms and modulated microbiota in adult Chinese volunteers.](#)**Scientific reports , Volume: 14 Issue: 1 2024 Nov 19**

Authors Borewicz K,Zhao Y,Zhu Y

[Bifidobacterium longumBL-19 inhibits oxidative stress and inflammatory damage in the liver of mice with NAFLD by regulating the production of butyrate in the intestine.](#)**Food science & nutrition , Volume: 12 Issue: 9 2024 Sep**

Authors Zhang X,Xu J,Dong X,Tang J,Xie Y,Yang J,Zou L,Wu L,Fan J

[Correlation between intestinal microbiota and urolithin metabolism in a human walnut dietary intervention.](#)**BMC microbiology , Volume: 24 Issue: 1 2024 Nov 15**

Authors Liu H,Birk JW,Provatias AA,Vaziri H,Fan N,Rosenberg DW,Gharaibeh RZ,Jobin C

[Protective effect of a newly probiotic Lactobacillus reuteri LY2-2 on DSS-induced colitis.](#)**European journal of nutrition , Volume: 64 Issue: 1 2024 Nov 15**

Authors Yang Y,Qiao Y,Liu G,Yi G,Liu H,Zhang T,Tong M

[High barley intake in non-obese individuals is associated with high natto consumption and abundance of butyrate-producing bacteria in the gut: a cross-sectional study.](#)**Frontiers in nutrition , Volume: 11 2024**

Authors Maruyama S,Matsuoka T,Hosomi K,Park J,Murakami H,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Ooka T,Yamagata Z,Kunisawa J

[Timing Matters: Late, but Not Early, Exercise Training Ameliorates MASLD in Part by Modulating the Gut-Liver Axis in Mice.](#)**Journal of pineal research , Volume: 76 Issue: 8 2024 Dec**

Authors Kovynev A,Ying Z,Zhang S,Olgjati E,Lambooj JM,Visentin C,Guigas B,Ducarmon QR,Rensen PCN,Schönke M

[Associations of alcohol intake with gut microbiome: a prospective study in a predominantly low-income Black/African American population.](#)**The American journal of clinical nutrition , 2024 Nov 11**

Authors Liu L,Nguyễn SM,Wang L,Shi J,Long J,Cai Q,Shrubsole MJ,Shu XO,Zheng W,Yu D

[Intermittent Fasting Improves Insulin Resistance by Modulating the Gut Microbiota and Bile Acid Metabolism in Diet-Induced Obesity.](#)**Molecular nutrition & food research , 2024 Nov 9**

Authors Lei S,Liu G,Wang S,Zong G,Zhang X,Pan L,Han J

[The Impact of Fermented Milk Products Containing Bifidobacterium longum BB536 on the Gut Environment: A Randomized Double-Blind Placebo-Controlled Trial.](#)**Nutrients , Volume: 16 Issue: 21 2024 Oct 22**

Authors Ejima R,Mishima R,Sen A,Yamaguchi K,Mitsuyama E,Kaneko H,Kimura M,Arai S,Muto N,Hiraku A,Kato K,Kuwano

Y,Maruyama H,Nakamura M,Iwabuchi N,Nakano M,Odamaki T,Tanaka M

[Protective effects of a lactobacilli mixture against Alzheimer's disease-like pathology triggered by Porphyromonas gingivalis.](#)

Scientific reports , Volume: 14 Issue: 1 2024 Nov 8

Authors Kazemi N,Khorasgani MR,Noorbakhshnia M,Razavi SM,Narimani T,Naghsh N

[Six months of different exercise type in sedentary primary schoolchildren: impact on physical fitness and saliva microbiota composition.](#)

Frontiers in nutrition , Volume: 11 2024

Authors Mancini A,Vitucci D,Lasorsa VA,Lupo C,Brustio PR,Capasso M,Orrù S,Rainoldi A,Schena F,Buono P

[A Novel Synbiotic Protects Against DSS-Induced Colitis in Mice via Anti-inflammatory and Microbiota-Balancing Properties.](#)

Probiotics and antimicrobial proteins , 2024 Nov 7

Authors Yang Y,Qiao Y,Liu G,Chen W,Zhang T,Liu J,Fan W,Tong M

[Pediococcus pentosaceus RC007 and Saccharomyces boulardii RC009 as antibiotic alternatives for gut health in post-weaning pigs.](#)

Journal of applied microbiology , 2024 Nov 5

Authors Parada J,Magnoli A,Poloni V,Isgro MC,Cavaglieri LR,Luna MJ,Carranza A,Cavaglieri L

[Effects of Lactobacillus spp. on Helicobacter pylori: A Promising Frontier in the Era of Antibiotic Resistance.](#)

Probiotics and antimicrobial proteins , 2024 Nov 5

Authors Dash D,Mishra V,Panda MK,Pathak SK

[Microbiota-Focused Dietary Approaches to Support Health: A Systematic Review.](#)

The Journal of nutrition , Volume: 155 Issue: 2 2025 Feb

Authors Hindle VK,Veasley NM,Holscher HD

[Gastroprotective effects of Pediococcus acidilactici GKA4 and Lactobacillus brevis GKL93 against ethanol-induced gastric ulcers via regulation of the immune response and gut microbiota in mice.](#)

Food & function , Volume: 15 Issue: 23 2024 Nov 25

Authors Huang YE,Chen SY,Li TJ,Tsai YS,Chen CC,Yen GC

[Impact of Long-term Fasting on Breath Volatile Sulphur Compounds, Inflammatory Markers and Saliva Microbiota Composition.](#)

Oral health & preventive dentistry , Volume: 22 2024 Oct 24

Authors Loumé A,Grundler F,Wilhelmi de Toledo F,Giannopoulou C,Mesnager R

[Lactisacibacillus paracasei NCU-04 relieves constipation and the depressive-like behaviors induced by loperamide in mice through the microbiome-gut-brain axis.](#)

Current research in food science , Volume: 9 2024

Authors Li S,Li Y,Cai Y,Yan Z,Wei J,Zhang H,Yue F,Chen T

[Supplementation of curcumin promotes the intestinal structure, immune barrier function and cecal microbiota composition of laying hens in early laying period.](#)

Poultry science , Volume: 103 Issue: 12 2024 Sep 24

Authors Xu Z,Zhu W,Xu D,Amevor FK,Wu Y,Ma D,Cao X,Wei S,Shu G,Zhao X

[Analysis of the fermentation kinetics and gut microbiota modulatory effect of dried chicory root reveals the impact of the plant-cell matrix rationalizing its conversion in the distal colon.](#)

Microbiome research reports , Volume: 3 Issue: 3 2024

Authors Puhlmann ML,van de Rakt E,Kerezoudi EN,Rangel I,Brummer RJ,Smidt H,Kaper FS,de Vos WM

[Effect of Endurance Exercise Training on Gut Microbiota and ER Stress.](#)

International journal of molecular sciences , Volume: 25 Issue: 19 2024 Oct 5

Authors Yoon EJ,Lee SR,Ortutu BF,Kim JO,Jaiswal V,Baek S,Yoon SI,Lee SK,Yoon JH,Cho JA

[Oral delivery of electrohydrodynamically encapsulated Lactiplantibacillus plantarum CRD7 modulates gut health, antioxidant activity, and cytokines-related inflammation and immunity in mice.](#)

Food & function , 2024 Oct 11

Authors Varada VV,Kumar S,Balaga S,Thanippilly AJ,Pushpadass HA,M RH,Jangir BL,Tyagi N,Samanta AK

[Synbiotic supplementation may globally improve non-motor symptoms in patients with stable Parkinson's disease: results from an open label single-arm study.](#)

Scientific reports , Volume: 14 Issue: 1 2024 Oct 4

Authors Andreozzi V,Cuoco S,Balestrieri M,Fierro F,Ferrara N,Erro R,Di Filippo M,Barbella G,Memoli MC,Silvestri A,Squillante M,Guglielmetti S,Barone P,Iovino P,Pellecchia MT

[Gastrointestinal microbiota and metabolites responses to dietary cereal grains in an adult pig model.](#)

Frontiers in microbiology , Volume: 15 2024

Authors Feng G,Deng M,Li R,Hou G,Ouyang Q,Jiang X,Liu X,Tang H,Chen F,Pu S,Wan D,Yin Y

[Combination of Lactiplantibacillus Plantarum ELF051 and Astragalus Polysaccharides Improves Intestinal Barrier Function and Gut Microbiota Profiles in Mice with Antibiotic-Associated Diarrhea.](#)

Probiotics and antimicrobial proteins , 2024 Oct 1

Authors Zhong B,Liang W,Zhao Y,Li F,Zhao Z,Gao Y,Yang G,Li S

[Barley \$\beta\$ -glucan consumption improves glucose tolerance by increasing intestinal succinate concentrations.](#)

NPJ science of food , Volume: 8 Issue: 1 2024 Sep 30

Authors Mio K,Goto Y,Matsuoka T,Komatsu M,Ishii C,Yang J,Kobayashi T,Aoe S,Fukuda S

[Novel approach for ameliorating high-fat diet-induced syndromes via probiotic-fermented oyster mushroom: from metabolites and microbiota to regulation mechanisms.](#)

Food & function , Volume: 15 Issue: 20 2024 Oct 14

Authors Dai Z,Lin Y,Chen G,Yu P,Wu H,Ning M,Blanchard C,Zhou Z

[Substitutive Effects of Milk vs. Vegetable Milk on the Human Gut Microbiota and Implications for Human Health.](#)

Nutrients , Volume: 16 Issue: 18 2024 Sep 14

Authors Mondragón Portocarrero ADC,Lopez-Santamarina A,Lopez PR,Ortega ISI,Duman H,Karav S,Miranda JM

[Impacts of Whole-Grain Soft Red, Whole-Grain Soft White, and Refined Soft White Wheat Flour Crackers on Gastrointestinal Inflammation and the Gut Microbiota of Adult Humans.](#)

Biology , Volume: 13 Issue: 9 2024 Aug 30

Authors Kinney GA,Haddad EN,Gopalakrishnan N,Sugino KY,Garrow LS,Ng PKW,Cornstock SS

[Lactobacillus plantarum alleviates high-fat diet-induced obesity by altering the structure of mice intestinal microbial communities and serum metabolic profiles.](#)

Frontiers in microbiology , Volume: 15 2024

Authors Zhu J,Liu X,Liu N,Zhao R,Wang S

[In vitro and ex vivo metabolism of chemically diverse fructans by bovine rumen Bifidobacterium and Lactobacillus species.](#)

Animal microbiome , Volume: 6 Issue: 1 2024 Sep 9

Authors King ML,Xing X,Reintjes G,Klassen L,Low KE,Alexander TW,Waldner M,Patel TR,Wade Abbott D

[Bacillus licheniformis suppresses Clostridium perfringens infection via modulating inflammatory response, antioxidant status, inflammasome activation and microbial homeostasis in broilers.](#)

Poultry science , Volume: 103 Issue: 11 2024 Aug 21

Authors Xiao X,Qin S,Cui T,Liu J,Wu Y,Zhong Y,Yang C

[Effects of inulin on intestinal flora and metabolism-related indicators in obese polycystic ovary syndrome patients.](#)

European journal of medical research , Volume: 29 Issue: 1 2024 Aug 31

Authors Li X,Jiang B,Gao T,Nian Y,Bai X,Zhong J,Qin L,Gao Z,Wang H,Ma X

[Heat-killed Bifidobacterium longum BBMN68 and inulin protect against high-fat diet-induced obesity by modulating gut microbiota.](#)

Frontiers in nutrition , Volume: 11 2024

Authors Sun S,Zhang Q,Li D,Li H,Ma H,Wu X,Li Y,Wang P,Liu R,Feng H,Zhang Y,Sang Y,Fang B,Wang R

[Effects of Physical Exercise on the Microbiota in Irritable Bowel Syndrome.](#)

Nutrients , Volume: 16 Issue: 16 2024 Aug 11

Authors Li C,Li J,Zhou Q,Wang C,Hu J,Liu C

[Effect of Saccharomyces boulardii on Liver Diseases: A Systematic Review.](#)

Microorganisms , Volume: 12 Issue: 8 2024 Aug 15

Authors Maslennikov R,Benuni N,Levshina A,Adzhieva F,Demina T,Kucher A,Pervushova E,Yuryeva E,Poluektova E,Zolnikova O,Kozlov E,Sigidaev A,Ivashkin V

[In Vitro and In Silico Studies of the Antimicrobial Activity of Prenylated Phenylpropanoids of Green Propolis and Their Derivatives against Oral Bacteria.](#)

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 8 2024 Aug 22

Authors Vieira TM,Barco JG,de Souza SL,Santos ALQ,Daoud I,Rahali S,Amdouni N,Bastos JK,Martins CHG,Ben Said R,Crotti AEM

[Lactacaseibacillus casei- and Bifidobacterium breve-fermented red pitaya promotes beneficial microbial proliferation in the colon.](#)

Food & function , Volume: 15 Issue: 18 2024 Sep 16

Authors Cao L,Wan M,Xian Z,Zhou Y,Dong L,Huang F,Su D

[Chitosan/gelatin coating loaded with ginger essential oil/ \$\beta\$ -cyclodextrin inclusion complex on quality and shelf life of blueberries.](#)

International journal of biological macromolecules , Volume: 279 Issue: Pt 4 2024 Nov

Authors Hossen MA,Shimul IM,Sameen DE,Rasheed Z,Tanga W,Chen M,Liu Y

[Gut microbiome related to metabolic diseases after moderate-to-vigorous intensity exercise.](#)

Journal of exercise science and fitness , Volume: 22 Issue: 4 2024 Oct

Authors Yun S,Seo Y,Lee Y,Lee DT

[Role and mechanism of Lactobacillus casei in the modulation of alcohol preference in mice.](#)

International immunopharmacology , Volume: 141 2024 Nov 15

Authors Li Y,Yang J,Guo L

Epicatechin and β -glucan from whole highland barley grain ameliorates hyperlipidemia associated with attenuating intestinal barrier dysfunction and modulating gut microbiota in high-fat-diet-fed mice.

International journal of biological macromolecules , Volume: 278 Issue: Pt 3 2024 Oct

Authors Liu Z,Tang R,Liu J,Zhang Z,Li Y,Zhao R

Yeast mixture supplementation modulates faecal microbiota and ileum morphology of weaning pigs.

Animal : an international journal of animal bioscience , Volume: 18 Issue: 9 2024 Sep

Authors Sandrini S,Perricone V,Cremonesi P,Castiglioni B,Biscarini F,Verdile N,Brevini T,Comi M,Jiang X,Agazzi A

The effect of dietary supplementation of Lycium barbarum leaves on the growth performance, organ indexes and intestinal microflora of rats.

Frontiers in veterinary science , Volume: 11 2024

Authors Guo Y,Liu J,Tuo Q,Zhang D,Wanapat M,Xin G

Dietary Polycan, a β -glucan originating from Aureobasidium pullulansSM-2001, attenuates high-fat-diet-induced intestinal barrier damage in obese mice by modulating gut microbiota dysbiosis.

Food science & nutrition , Volume: 12 Issue: 8 2024 Aug

Authors Ko GP,Unno T,Kim YS,Kim J

Propolis as a functional food and promising agent for oral health and microbiota balance: A review study.

Food science & nutrition , Volume: 12 Issue: 8 2024 Aug

Authors Etebarian A,Alhouei B,Mohammadi-Nasrabadi F,Esfarjani F

Effects of varying wheat levels on growth performance, intestinal barrier, and cecal microbiota of broilers.

Frontiers in veterinary science , Volume: 11 2024

Authors Wang L,Wei B,Si X,Huang Y,Zhang H,Chen W

Preventive effect of Lactocaseibacillus paracasei LMT18-32 on Porphyromonas gingivalis induced periodontitis.

Food science and biotechnology , Volume: 33 Issue: 9 2024 Jul

Authors Choi WJ,Cho SK,Dong HJ,Kim TH,Soon J,Lee HJ,Yoon KH,Kwak S,Yun J

The alleviative effects of viable and inactive Lactobacillus paracasei CCFM1120 against alcoholic liver disease via modulation of gut microbiota and the Nrf2/HO-1 and TLR4/MyD88/NF- κ B pathways.

Food & function , Volume: 15 Issue: 17 2024 Aug 27

Authors Niu B,Feng Y,Cheng X,Xiao Y,Zhao J,Lu W,Tian F,Chen W

Effects of bacteriocin-producing Lactiplantibacillus plantarum on bacterial community and fermentation profile of whole-plant corn silage and its in vitro ruminal fermentation, microbiota, and CH₄(4) emissions.

Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Aug 7

Authors Li Z,Usman S,Zhang J,Zhang Y,Su R,Chen H,Li Q,Jia M,Amole TA,Guo X

Postbiotics from Saccharomyces cerevisiae fermentation stabilize microbiota in rumen liquid digesta during grain-based subacute ruminal acidosis (SARA) in lactating dairy cows.

Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Aug 1

Authors Guo J,Zhang Z,Guan LL,Yoon I,Plaizier JC,Khafipour E

Bamboo fiber improves piglet growth performance by regulating the microbial composition of lactating sows and their offspring piglets.

Frontiers in microbiology , Volume: 15 2024

Authors Dai F,Lin T,Jin M,Huang X,Wang L,Ma J,Yu H,Fan X,Nong X,Zuo J

Exploring the anti-inflammatory effects of postbiotic proteins from Lactobacillus delbrueckii CIDCA 133 on inflammatory bowel disease model.

International journal of biological macromolecules , Volume: 277 Issue: Pt 2 2024 Jul 26

Authors Freitas ADS,Barroso FAL,Campos GIM,Américo MF,Viegas RCDS,Gomes GC,Vital KD,Fernandes SOA,Carvalho RDO,Jardin J,Miranda APGDS,Ferreira E,Martins FS,Laguna JG,Jan G,Azevedo V,de Jesus LCL

Hepatoprotective potential of four fruit extracts rich in different structural flavonoids against alcohol-induced liver injury via gut microbiota-liver axis.

Food chemistry , Volume: 460 Issue: Pt 2 2024 Dec 1

Authors Chen Y,Ma H,Liang J,Sun C,Wang D,Chen K,Zhao J,Ji S,Ma C,Ye X,Cao J,Wang Y,Sun C

Lactocaseibacillus casei IB1 Alleviates DSS-Induced Inflammatory Bowel Disease by Regulating the Microbiota and Restoring the Intestinal Epithelial Barrier.

Microorganisms , Volume: 12 Issue: 7 2024 Jul 6

Authors Lao J,Yan S,Yong Y,Li Y,Wen Z,Zhang X,Ju X,Li Y

The Contrasting Effects of Two Distinct Exercise Training Modalities on Exhaustive Exercise-Induced Muscle Damage in Mice May Be Associated with Alterations in the Gut Microbiota.

International journal of molecular sciences , Volume: 25 Issue: 14 2024 Jul 17

Authors Zhang Y,Wang C,Lang H,Yu H,Zhou M,Rao X,Zhang Q,Yi L,Zhu J,Mi M

Probiotic Lactobacillus fermentum TSF331, Lactobacillus reuteri TSR332, and Lactobacillus plantarum TSP05 improved liver function and uric acid management-A pilot study.

PloS one , Volume: 19 Issue: 7 2024

Authors Lin JH,Lin CH,Kuo YW,Liao CA,Chen JF,Tsai SY,Li CM,Hsu YC,Huang YY,Hsia KC,Yeh YT,Ho HH

Improving insulin resistance by sulforaphane via activating the Bacteroides and Lactobacillus SCFAs-GPR-GLP1 signal axis.

Food & function , 2024 Jul 24

Authors Tian S,Lei Y,Zhao F,Che J,Wu Y,Lei P,Kang YE,Shan Y

In vitro analysis of postbiotic antimicrobial activity against Candida Species in a minimal synthetic model simulating the gut mycobiota in obesity.

Scientific reports , Volume: 14 Issue: 1 2024 Jul 21

Authors Garcia-Gamboa R,Perfecto-Avalos Y,Gonzalez-Garcia J,Alvarez-Calderon MJ,Gutierrez-Vilchis A,Garcia-Gonzalez A

Enhancing gut microbiota and microbial function with inulin supplementation in children with obesity.

International journal of obesity (2005) , 2024 Jul 20

Authors Visuthranukul C,Sriswasdi S,Tepaamorndech S,Chamni S,Leelahavanichkul A,Joyjinda Y,Aksornkitti V,Chomtho S

A 90-day subchronic exposure to heated tobacco product aerosol caused differences in intestinal inflammation and microbiome dysregulation in rats.

Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco , 2024 Jul 19

Authors Tian Y,Cheng J,Yang Y,Wang H,Fu Y,Li X,Wang W,Ma S,Xu X,Lu F,Feng P,Han S,Chen H,Hou H,Hu Q,Wu C

Effects of Lactiplantibacillus plantarum CCFM1214 and Ligilactobacillus salivarius CCFM1215 on halitosis: a double-blind, randomized controlled trial.

Food & function , 2024 Jul 19

Authors Ding L,Wang Y,Jiang Z,Tang X,Mao B,Zhao J,Chen W,Zhang Q,Cui S

Aging Modulates the Effect of Dietary Glycemic Index on Gut Microbiota Composition in Mice.

The Journal of nutrition , Volume: 154 Issue: 9 2024 Sep

Authors Zhu Y,Yeo EN,Smith KM,Greenberg AS,Rowan S

Modulation of Human Gut Microbiota In Vitro by Inulin-Type Fructan from Codonopsis pilosula Roots.

Indian journal of microbiology , Volume: 64 Issue: 2 2024 Jun

Authors Li J,Cao L, Ji J,Shen M,Gao J

The interplay between diet and the gut microbiome: implications for health and disease.

Nature reviews. Microbiology , 2024 Jul 15

Authors Ross FC,Patangia D,Grimaud G,Lavelle A,Dempsey EM,Ross RP,Stanton C

Apple polysaccharide improves age-matched cognitive impairment and intestinal aging through microbiota-gut-brain axis.

Scientific reports , Volume: 14 Issue: 1 2024 Jul 13

Authors Zhang W,Zhong Y,Wang Z,Tang F,Zheng C

Barley polysaccharides inhibit colorectal cancer by two relatively independent pathways.

International journal of biological macromolecules , Volume: 277 Issue: Pt 3 2024 Oct

Authors Zhang C,Li L,Lin J,Luo J,Liu L,Peng X

The Effect of the Lactocaseibacillus paracasei BEPC22 and Lactiplantibacillus plantarum BELP53 Combination (BN-202M) on Body Fat Percentage Loss in Overweight Individuals: A Randomized, Double-Blind, Placebo-Controlled Study.

Nutrients , Volume: 16 Issue: 13 2024 Jun 23

Authors Kwon HS,Kim SJ,Shin KJ,Kim S,Yun J,Bae J,Tak HJ, Lee NR,Kim HJ

Microencapsulated Lactobacillus plantarum promotes intestinal development through gut colonization of layer chicks.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 18 2024 Sep

Authors Cui Y,Liu Y,Yang J,Duan H,Wang P,Guo L,Guo Y,Li S,Zhao Y,Wang J,Qi G,Guan J

Indole-3-Lactic Acid Derived from Lactocaseibacillus paracasei Inhibits Helicobacter pylori Infection via Destruction of Bacteria Cells, Protection of Gastric Mucosa Epithelial Cells, and Alleviation of Inflammation.

Journal of agricultural and food chemistry , Volume: 72 Issue: 28 2024 Jul 17

Authors Yao M,Cao J,Zhang L,Wang K,Lin H,Qin L,Zhang Q,Qu C,Miao J,Xue C

Lactocaseibacillus rhamnosus LRa05 alleviated liver injury in mice with alcoholic fatty liver disease by improving intestinal permeability and balancing gut microbiota.

Beneficial microbes , Volume: 15 Issue: 5 2024 Jul 3

Authors Gu J,Chen Y,Wang J,Gao Y,Gai Z,Zhao Y,Xu F

Effect of Lactocaseibacillus casei LC2W Supplementation on Glucose Metabolism and Gut Microbiota in Subjects at High Risk of Metabolic Syndrome: A Randomized, Double-blinded, Placebo-controlled Clinical Trial.

Probiotics and antimicrobial proteins , 2024 Jul 2

Authors Wang D,Wang X,Han J,You C,Liu Z,Wu Z

Probiotic Lactobacillus rhamnosus GG improves insulin sensitivity and offspring survival via modulation of gut microbiota and serum metabolite in a sow model.

Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Jul 2

Authors Gao T,Li R,Hu L,Hu Q,Wen H,Zhou R,Yuan P,Zhang X,Huang L,Zhuo Y,Xu S,Lin Y,Feng B,Che L,Wu D,Fang Z

[Metagenomic and metabolomic analysis showing the adverse risk-benefit trade-off of the ketogenic diet.](#)

Lipids in health and disease , Volume: 23 Issue: 1 2024 Jun 29

Authors Qiu H,Kan C,Han F,Luo Y,Qu N,Zhang K,Ma Y,Hou N,Wu D,Sun X,Shi J

[Prebiotic Potential of Goji Berry \(Lycium barbarum\) in Improving Intestinal Integrity and Inflammatory Profiles via Modification of the Gut Microbiota in High-Fat Diet-Fed Rats.](#)

Journal of medicinal food , Volume: 27 Issue: 8 2024 Aug

Authors Jeong E,Eun S,Chae S,Lee S

[Uncovering the mechanism of Clostridium butyricum CBX 2021 to improve pig health based on in vivo and in vitro studies.](#)

Frontiers in microbiology , Volume: 15 2024

Authors Liu X,Qiu X,Yang Y,Wang J,Wang Q,Liu J,Huang J,Yang F,Liu Z,Qi R

[Inclusion of Lactacaseibacillus paracasei NSMJ15 in broiler diets induces changes in jejunal immune cell population and cecal microbiota.](#)

Animal bioscience , Volume: 37 Issue: 12 2024 Dec

Authors Yoon JH,Joo SS,An SH,Ban BC,Jung M,Je W,Jung JY,Kim M,Kong C

[The Effects of Almond Consumption on Cardiovascular Health and Gut Microbiome: A Comprehensive Review.](#)

Nutrients , Volume: 16 Issue: 12 2024 Jun 20

Authors Singar S,Kadyan S,Patoine C,Park G,Ajramdi B,Nagpal R

[Quercetin Alleviates Insulin Resistance and Repairs Intestinal Barrier in db/db Mice by Modulating Gut Microbiota.](#)

Nutrients , Volume: 16 Issue: 12 2024 Jun 14

Authors Yuan M,Sun T,Zhang Y,Guo C,Wang F,Yao Z,Yu L

[Lactobacillus delbrueckii Ameliorated Blood Lipids via Intestinal Microbiota Modulation and Fecal Bile Acid Excretion in a Ningxiang Pig Model.](#)

Animals : an open access journal from MDPI , Volume: 14 Issue: 12 2024 Jun 17

Authors Hou G,Wei L,Li R,Chen F,Yin J,Huang X,Yin Y

[Procyanidin B1 and Coumaric Acid from Highland Barley Alleviated High-Fat-Diet-Induced Hyperlipidemia by Regulating PPARα-Mediated Hepatic Lipid Metabolism and Gut Microbiota in Diabetic C57BL/6J Mice.](#)

Foods (Basel, Switzerland) , Volume: 13 Issue: 12 2024 Jun 12

Authors Liu Z,Liu J,Tang R,Zhang Z,Tian S

[Machine Learning Metabolomics Profiling of Dietary Interventions from a Six-Week Randomised Trial.](#)

Metabolites , Volume: 14 Issue: 6 2024 May 29

Authors Kouraki A,Nagal A,Nocun W,Louca P,Vijay A,Wong K,Michelotti GA,Menni C,Valdes AM

[Fasting-mimicking diet remodels gut microbiota and suppresses colorectal cancer progression.](#)

NPJ biofilms and microbiomes , Volume: 10 Issue: 1 2024 Jun 25

Authors Luo M,Wang Q,Sun Y,Jiang Y,Wang Q,Gu Y,Hu Z,Chen Q,Xu J,Chen S,Hou T,Feng L

[Ameliorating effects of Orostachys japonica against high-fat diet-induced obesity and gut dysbiosis.](#)

Journal of ethnopharmacology , Volume: 333 2024 Jun 21

Authors Chae YR,Lee HB,Lee YR,Yoo G,Lee E,Park M,Choi SY,Park HY

[Metabolic and microbial mechanisms related to the effects of dietary wheat levels on intramuscular fat content in finishing pigs.](#)

Meat science , Volume: 216 2024 Oct

Authors Wang J,Zhu H,Li H,Xia S,Zhang F,Liu C,Zheng W,Yao W

[The Effect of Bifidobacterium animalis subsp. lactis MN-Gup on Glucose Metabolism, Gut Microbiota, and Their Metabolites in Type 2 Diabetic Mice.](#)

Nutrients , Volume: 16 Issue: 11 2024 May 29

Authors Zhang C,Fang B,Zhang N,Zhang Q,Niu T,Zhao L,Sun E,Wang J,Xiao R,He J,Li S,Chen J,Guo J,Xiong W,Wang R

[Fasting-Induced Molting Impacts the Intestinal Health by Altering the Gut Microbiota.](#)

Animals : an open access journal from MDPI , Volume: 14 Issue: 11 2024 May 31

Authors Zhang H,Zhang Y,Gong Y,Zhang J,Li D,Tian Y,Han R,Guo Y,Sun G,Li W,Zhang Y,Zhao X,Zhang X,Wang P,Kang X,Jiang R

[Lactobacillus plantarum-Derived Extracellular Vesicles Modulate Macrophage Polarization and Gut Homeostasis for Alleviating Ulcerative Colitis.](#)

Journal of agricultural and food chemistry , Volume: 72 Issue: 26 2024 Jul 3

Authors Chen Q,Fang Z,Yang Z,Xu X,Yang M,Hou H,Li Z,Chen Y,Gong A

[Bacillus subtilis SF106 and Bacillus clausii SF174 spores reduce the inflammation and modulate the gut microbiota in a colitis model.](#)

Beneficial microbes , Volume: 15 Issue: 4 2024 Jun 14

Authors Vittoria M,Horwell E,Bastoni D,Saggese A,Baccigalupi L,Cutting SM,Ricca E

Lactaseibacillus paracasei LC86 mitigates age-related muscle wasting and cognitive impairment in SAMP8 mice through gut microbiota modulation and the regulation of serum inflammatory factors.

Frontiers in nutrition , Volume: 11 2024

Authors Cai Y,Dong Y,Han M,Jin M,Liu H,Gai Z,Zou K

Amelioration of walnut, peony seed and camellia seed oils against D-galactose-induced cognitive impairment in mice by regulating gut microbiota.

Food & function , Volume: 15 Issue: 13 2024 Jul 1

Authors Kang T,Zheng J,Jiang C,Jin L,Li C,Chen B,Shen Y

Saccharomyces boulardii combined with triple therapy alter the microbiota in the eradication of Helicobacter pylori infection.

Scientific reports , Volume: 14 Issue: 1 2024 Jun 7

Authors Zhang Y,Lu B,Dong Y,Zhang Y,Du Q,Chen Y,Zhang Z

A host-microbial metabolite interaction gut-on-a-chip model of the adult human intestine demonstrates beneficial effects upon inulin treatment of gut microbiome.

Microbiome research reports , Volume: 3 Issue: 2 2024

Authors Donkers JM,Wiese M,van den Broek TJ,Wierenga E,Agamennone V,Schuren F,van de Steeg E

Intervention with fructooligosaccharides, Saccharomyces boulardii, and their combination in a colitis mouse model.

Frontiers in microbiology , Volume: 15 2024

Authors Wu Y,Fu H,Xu X,Jin H,Kao QJ,Teng WL,Wang B,Zhao G,Pi XE

Reduction in Serum Concentrations of Uremic Toxins Driven by Bifidobacterium Longum Subsp. Longum BL21 is Associated with Gut Microbiota Changes in a Rat Model of Chronic Kidney Disease.

Probiotics and antimicrobial proteins , 2024 Jun 3

Authors Dong Y,Gai Z,Han M,Xu J,Zou K

The ameliorative and neuroprotective effects of dietary fibre on hyperuricaemia mice: a perspective from microbiome and metabolome.

The British journal of nutrition , Volume: 132 Issue: 3 2024 Aug 14

Authors Wang Y,Miao F,Wang J,Zheng M,Yu F,Yi Y

Lactiplantibacillus plantarum JS19-adjunctly fermented goat milk alleviates D-galactose-induced aging by modulating oxidative stress and intestinal microbiota in mice.

Journal of dairy science , 2024 May 31

Authors He C,Mao Y,Wei L,Zhao A,Chen L,Zhang F,Cui X,Pan MH,Wang B

Unveiling the influence of a probiotic combination of Heyndrickxia coagulans and Lactaseibacillus casei on healthy human gut microbiota using the TripleSHIME® system.

Microbiological research , Volume: 285 2024 Aug

Authors Goya-Jorge E,Gonza I,Bondue P,Druart G,Al-Chihab M,Boutaleb S,Douny C,Taminiau B,Daube G,Scippo ML,Thonart P,Delcenserie V

Gut microbiome remodeling and metabolomic profile improves in response to protein pacing with intermittent fasting versus continuous caloric restriction.

Nature communications , Volume: 15 Issue: 1 2024 May 28

Authors Mohr AE,Sweazea KL,Bowes DA,Jasbi P,Whisner CM,Sears DD,Krajmalnik-Brown R,Jin Y,Gu H,Klein-Seetharaman J,Arciero KM,Gumprich E,Arciero PJ

Smoking induced salivary microbiome dysbiosis and is correlated with lipid biomarkers.

BMC oral health , Volume: 24 Issue: 1 2024 May 25

Authors Mohammed LI,Razali R,Zakaria ZZ,Benslimane FM,Cyprian F,Al-Asmakh M

Curcumin supplementation alleviates hepatic fat content associated with modulation of gut microbiota-dependent bile acid metabolism in patients with nonalcoholic simple fatty liver disease: a randomized controlled trial.

The American journal of clinical nutrition , Volume: 120 Issue: 1 2024 Jul

Authors He Y,Chen X,Li Y,Liang Y,Hong T,Yang J,Cao Z,Mai H,Yao J,Zhang T,Wu K,Zou J,Feng D

Turmeric and curcumin as adjuncts in controlling Helicobacter pylori-associated diseases: a narrative review.

Letters in applied microbiology , Volume: 77 Issue: 6 2024 Jun 3

Authors Boyanova L,Medeiros J,Yordanov D,Gergova R,Markovska R

Modulation of Gut Microbial Community and Metabolism by Bacillus licheniformis HD173 Promotes the Growth of Nursery Piglets Model.

Nutrients , Volume: 16 Issue: 10 2024 May 15

Authors Li J,Tian C,Feng S,Cheng W,Tao S,Li C,Xiao Y,Wei H

Exercise Affects Mucosa-Associated Microbiota and Colonic Tumor Formation Induced by Azoxymethane in High-Fat-Diet-Induced Obese Mice.

Microorganisms , Volume: 12 Issue: 5 2024 May 9

Authors Yo S,Matsumoto H,Gu T,Sasahira M,Oosawa M,Handa O,Umegaki E,Shiotani A

Ginger Polyphenols Reverse Molecular Signature of Amygdala Neuroimmune Signaling and Modulate Microbiome in Male Rats with Neuropathic Pain: Evidence for Microbiota-Gut-Brain Axis.

Antioxidants (Basel, Switzerland) , Volume: 13 Issue: 5 2024 Apr 23

Authors Shen CL,Santos JM,Elmassry MM,Bhakta V,Driver Z, Ji G,Yakhnitsa V,Kiritoshi T,Lovett J,Hamood AN,Sang S,Neugebauer V

Probiotics combined with atorvastatin administration in the treatment of hyperlipidemia: A randomized, double-blind, placebo-controlled clinical trial.

Medicine , Volume: 103 Issue: 21 2024 May 24

Authors Tian Y,Wu G,Zhao X,Zhang H,Ren M,Song X,Chang H,Jing Z

Lycium barbarum polysaccharide remodels colon inflammatory microenvironment and improves gut health.

Heliyon , Volume: 10 Issue: 10 2024 May 30

Authors Li R,Yang P,Liu B,Ye Z,Zhang P,Li M,Gong Y,Huang Y,Yang L,Li M

Bifidobacterium longum S3 alleviates loperamide-induced constipation by modulating intestinal acetic acid and stearic acid levels in mice.

Food & function , Volume: 15 Issue: 11 2024 Jun 4

Authors Zhang T,Lu H,Cheng T,Wang L,Wang G,Zhang H,Chen W

Daily intake of baru (Dipteryx alata Vog.), a Cerrado native almond, promotes changes in the intestinal microbiota of individuals with obesity: A pilot study.

Food research international (Ottawa, Ont.) , Volume: 187 2024 Jul

Authors Campos SB,Oliveira Filho JG,Santos DCD,Egea MB

Elucidation of the beneficial role of co-fermented whole grain quinoa and black barley with Lactobacillus on rats fed a western-style diet via a multi-omics approach.

Food research international (Ottawa, Ont.) , Volume: 187 2024 Jul

Authors Lin ZH,Zhong LY,Jiang HB,Zhu C,Wei FF,Wu Y,Song LH

Effects of fructooligosaccharides and Saccharomyces boulardii on the compositional structure and metabolism of gut microbiota in students.

Microbiological research , Volume: 285 2024 Aug

Authors Fu H,Chen Z,Teng W,Du Z,Zhang Y,Ye X,Yu Z,Zhang Y,Pi X

Short-term supplementation with uncoated and encapsulated Enterococcus faecium affected growth performance, gut microbiome and intestinal barrier integrity in broiler chickens.

Poultry science , Volume: 103 Issue: 7 2024 Jul

Authors Zhang Y,Liu Y,Jiao S,Wang Y,Sa R,Zhao F,Xie J

Mechanisms of epigallocatechin gallate (EGCG) in ameliorating hyperuricemia: insights into gut microbiota and intestinal function in a mouse model.

Food & function , Volume: 15 Issue: 11 2024 Jun 4

Authors Yu H,Lou Z,Wu T,Wan X,Huang H,Wu Y,Li B,Tu Y,He P,Liu J

Inulin supplementation exhibits increased muscle mass via gut-muscle axis in children with obesity: double evidence from clinical and in vitro studies.

Scientific reports , Volume: 14 Issue: 1 2024 May 16

Authors Visuthranukul C,Leelahavanichkul A,Tepaamorndech S,Chamni S,Mekangkul E,Chomtho S

Impact of whole grain highland hull-less barley on the denaturing gradient gel electrophoresis profiles of gut microbial communities in rats fed high-fat diets.

Microbiology spectrum , Volume: 12 Issue: 6 2024 Jun 4

Authors Xia X,Lu J,Chen X,Zhou L,Huang Y,Ding S,Li G

Chlorogenic Acid/Linoleic Acid-Fortified Wheat-Resistant Starch Ameliorates High-Fat Diet-Induced Gut Barrier Damage by Modulating Gut Metabolism.

Journal of agricultural and food chemistry , Volume: 72 Issue: 20 2024 May 22

Authors Guo Q,Chen L,Liu Z,Zheng B

The impact of exercise on the gut microbiota in middle-aged amateur serious runners: a comparative study.

Frontiers in physiology , Volume: 15 2024

Authors Duan R,Liu Y,Zhang Y,Shi J,Xue R,Liu R,Miao Y,Zhou X,Lv Y,Shen H,Xie X,Ai X

The impact of bacillus pumilus TS2 isolated from yaks on growth performance, gut microbial community, antioxidant activity, and cytokines related to immunity and inflammation in broilers.

Frontiers in veterinary science , Volume: 11 2024

Authors Guo C,Liu S,Di L,Tang S

The Effects of Food Nutrients and Bioactive Compounds on the Gut Microbiota: A Comprehensive Review.

Foods (Basel, Switzerland) , Volume: 13 Issue: 9 2024 Apr 26

Authors Zheng Y,Qin C,Wen M,Zhang L,Wang W

[Lactobacillus delbrueckii CIDCA 133 fermented milk modulates inflammation and gut microbiota to alleviate acute colitis.](#)

Food research international (Ottawa, Ont.) , Volume: 186 2024 Jun

Authors de Jesus LCL,Freitas ADS,Dutra JDCF,Campos GM,Américo MF,Laguna JG,Dornelas EG,Carvalho RDO,Vital KD,Fernandes SOA,Cardoso VN,de Oliveira JS,de Oliveira MFA,Faria AMC,Ferreira E,Souza RO,Martins FS,Barroso FAL,Azevedo V

[The effect of intermittent fasting on microbiota as a therapeutic approach in obesity.](#)

Frontiers in nutrition , Volume: 11 2024

Authors Cadena-Ullauri S,Guevara-Ramírez P,Ruiz-Pozo VA,Tamayo-Trujillo R,Paz-Cruz E,Zambrano-Villacres R,Simancas-Racines D,Zambrano AK

[A methyl esterase from Bifidobacterium longum subsp. longum reshapes the prebiotic properties of apple pectin by triggering differential modulatory capacity in faecal cultures.](#)

Microbial biotechnology , Volume: 17 Issue: 5 2024 May

Authors Calvete-Torre I,Sabater C,Muñoz-Almagro N,Campelo AB,Moreno FJ,Margolles A,Ruiz L

[An In Vitro Evaluation of the Effect of Bifidobacterium longum L556 on Microbiota Composition and Metabolic Properties in Patients with Coronary Heart Disease \(CHD\).](#)

Probiotics and antimicrobial proteins , 2024 May 9

Authors Yang L,Wu Y,Zhao X,Liang T,Li L,Yang J,Jiang T,Zhang T,Zhang J,Zhong H,Xie X,Wu Q

[Differential alteration in Lactiplantibacillus plantarum subsp. plantarum quorum-sensing systems and reduced Candida albicans yeast survival and virulence gene expression in dual-species interaction.](#)

Microbiology spectrum , Volume: 12 Issue: 6 2024 Jun 4

Authors Xu Z,Li Y,Xu A,Xue L,Soteyome T,Yuan L,Ma Q,Seneviratne G,Hong W,Mao Y,Kjellerup BV,Liu J

[A consortium of Hordeum vulgare and gut microbiota against non-alcoholic fatty liver disease via data-driven analysis.](#)

Artificial cells, nanomedicine, and biotechnology , Volume: 52 Issue: 1 2024 Dec

Authors Lee SB,Gupta H,Min BH,Ganesan R,Sharma SP,Won SM,Jeong JJ,Cha MG,Kwon GH,Jeong MK,Hyun JY,Eom JA,Park HJ,Yoon SJ,Lee SY,Choi MR,Kim DJ,Oh KK,Suk KT

[Efficacy of an inulin-based treatment on intestinal colonization by multidrug-resistant E. coli: insight into the mechanism of action.](#)

Gut microbes , Volume: 16 Issue: 1 2024 Jan-Dec

Authors Ishnaiwer M,Le Bastard Q,Naour M,Zeman M,Dailly E,Montassier E,Batard E,Dion M

[Beneficial Effects of Dietary Fiber in Young Barley Leaf on Gut Microbiota and Immunity in Mice.](#)

Molecules (Basel, Switzerland) , Volume: 29 Issue: 8 2024 Apr 22

Authors Chudan S,Kurakawa T,Nishikawa M,Nagai Y,Tabuchi Y,Ikushiro S,Furusawa Y

[Bifidobacterium longum K5 Prevents Enterohaemorrhagic Escherichia coli O157:H7 Infection in Mice through the Modulation of the Gut Microbiota.](#)

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

Authors Liu D,Li C,Cao T,Lv X,Yue Y,Li S,Cheng Y,Liu F,Huo G,Li B

[Antitumor Effect and Gut Microbiota Modulation by Quercetin, Luteolin, and Xanthohumol in a Rat Model for Colorectal Cancer Prevention.](#)

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

Authors Pérez-Valero Á,Magadán-Corpas P,Ye S,Serna-Diestro J,Sordon S,Huszczka E,Poplonski J,Villar CJ,Lombó F

[In Vitro Fermentation Shows Polyphenol and Fiber Blends Have an Additive Beneficial Effect on Gut Microbiota States.](#)

Nutrients , Volume: 16 Issue: 8 2024 Apr 13

Authors Whitman JA,Doherty LA,Pantoja-Feliciano de Goodfellow IG,Racicot K,Anderson DJ,Kensil K,Karl JP,Gibson GR,Soares JW

[Preliminary Results on the Effects of Soybean Isoflavones on Growth Performance and Ruminal Microbiota in Fattening Goats.](#)

Animals : an open access journal from MDPI , Volume: 14 Issue: 8 2024 Apr 15

Authors Shao Y,Xu J,Wang M,Ren Y,Wei M,Tian B,Luo J,Lor JJ,Shi H

[Inulin has a beneficial effect by modulating the intestinal microbiome in a BALB/c mouse model.](#)

Beneficial microbes , Volume: 14 Issue: 4 2023 Sep 1

Authors Zhu Z,Hu C,Liu Y,Wang F,Zhu B

[Intake of compound probiotics accelerates the construction of immune function and gut microbiome in Holstein calves.](#)

Microbiology spectrum , Volume: 12 Issue: 6 2024 Jun 4

Authors Cai X,Yi P,Chen X,Wu J,Lan G,Li S,Luo S,Huang F,Huang J,Shen P

[Antiaging Effects of Human Fecal Transplants with Different Combinations of Bifidobacterium bifidum LTBB21J1 and Lactobacillus casei LTL1361 in d-Galactose-Induced Mice.](#)

Journal of agricultural and food chemistry , Volume: 72 Issue: 17 2024 May 1

Authors Zhou F,Zhang Q,Zheng X,Shi F,Ma K,ji F,Meng N,Li R,Lv J,Li Q

Polygonatum kingianum Polysaccharides Enhance the Preventive Efficacy of Heat-Inactivated Limosilactobacillus reuteri WX-94 against High-Fat-High-Sucrose-Induced Liver Injury and Gut Dysbacteriosis.

Journal of agricultural and food chemistry , Volume: 72 Issue: 17 2024 May 1

Authors Liu T,Zhou L,Li X,Song W,Liu Y,Wu S,Wang P,Dai X,Shi L

When simplicity triumphs: niche specialization of gut bacteria exists even for simple fiber structures.

ISME communications , Volume: 4 Issue: 1 2024 Jan

Authors Xu H,Pudlo NA,Cantu-Jungles TM,Tuncil YE,Nie X,Kaur A,Reuhs BL,Martens EC,Hamaker BR

Endurance exercise associated with a fructooligosaccharide diet modulates gut microbiota and increases colon absorptive area.

Journal of gastroenterology and hepatology , Volume: 39 Issue: 6 2024 Jun

Authors Moura F,Romeiro C,Petriz B,Cavichioli N,Almeida JA,Castro A,Franco OL

Obliteration of H. pylori infection through the development of a novel thyme oil laden nanoporous gastric floating microsphere.

Heliyon , Volume: 10 Issue: 8 2024 Apr 30

Authors Jafar M,Ahmad Khan MS,Akbar MJ,AlSaihaty HS,Alasmari SS

Effects of Limosilactobacillus reuteri ID-D01 Probiotic Supplementation on Exercise Performance and Gut Microbiota in Sprague-Dawley Rats.

Probiotics and antimicrobial proteins , 2024 Apr 18

Authors Jang YJ,Choi HS,Oh I,Chung JH,Moon JS

Efficacy of high-intensity interval and continuous endurance trainings on cecal microbiota metabolites and inflammatory factors in diabetic rats induced by high-fat diet.

PloS one , Volume: 19 Issue: 4 2024

Authors Solouki S,Gorgani-Firuzjaee S,Jafary H,Delfan M

Resveratrol Improves Hyperuricemia and Ameliorates Renal Injury by Modulating the Gut Microbiota.

Nutrients , Volume: 16 Issue: 7 2024 Apr 7

Authors Zhou Y,Zeng Y,Wang R,Pang J,Wang X,Pan Z,Jin Y,Chen Y,Yang Y,Ling W

Effects of Exercise on Gut Microbiota of Adults: A Systematic Review and Meta-Analysis.

Nutrients , Volume: 16 Issue: 7 2024 Apr 5

Authors Min L,Ablitip A,Wang R,Luciana T,Wei M,Ma X

Tea Polyphenol Epigallocatechin Gallate Protects Against Nonalcoholic Fatty Liver Disease and Associated Endotoxemia in Rats via Modulating Gut Microbiota Dysbiosis and Alleviating Intestinal Barrier Dysfunction and Related Inflammation.

Journal of agricultural and food chemistry , 2024 Apr 12

Authors Zuo G,Chen M,Zuo Y,Liu F,Yang Y,Li J,Zhou X,Li M,Huang JA,Liu Z,Lin Y

Lactiseibacillusparacasei BNCC345679 revolutionizes DSS-induced colitis and modulates gut microbiota.

Frontiers in microbiology , Volume: 15 2024

Authors Ahmad W,Din AU,Khan TM,Rehman MU,Hassan A,Aziz T,Alharbi M,Wu J

Effect of aerobic exercise and particulate matter exposure duration on the diversity of gut microbiota.

Animal cells and systems , Volume: 28 Issue: 1 2024

Authors Imdad S,Kim JH,So B,Jang J,Park J,Lim W,Lee YK,Shin WS,Hillyer T,Kang C

Bacillus coagulans regulates gut microbiota and ameliorates the alcoholic-associated liver disease in mice.

Frontiers in microbiology , Volume: 15 2024

Authors Liu Z,Liu T,Zhang Z,Fan Y

Effects of Bacillus coagulans TBC169 on gut microbiota and metabolites in gynecological laparoscopy patients.

Frontiers in microbiology , Volume: 15 2024

Authors Gao W,Yan Y,Guan Z,Zhang J,Chen W

Cognitive behavioral and mindfulness with daily exercise intervention is associated with changes in intestinal microbial taxa and systemic inflammation in patients with Crohn's disease.

Gut microbes , Volume: 16 Issue: 1 2024 Jan-Dec

Authors K I,Y M,A N,D S,G G,R S,D G,V S,N O,S M,F S,R S O,J M G,A M

Effect of inulin, galacto-oligosaccharides, and polyphenols on the gut microbiota, with a focus on Akkermansia muciniphila.

Food & function , Volume: 15 Issue: 9 2024 May 7

Authors Tian R,Yu L,Tian F,Zhao J,Chen W,Zhai Q

Fasting mimicking diet extends lifespan and improves intestinal and cognitive health.

Food & function , Volume: 15 Issue: 8 2024 Apr 22

Authors Wang Q,Xu J,Luo M,Jiang Y,Gu Y,Wang Q,He J,Sun Y,Lin Y,Feng L,Chen S,Hou T

Effects of inulin on fecal microbiota and specific immunity in cats.

Research in veterinary science , Volume: 172 2024 Jun

Authors Liang SK,Wang JQ,Han B

Curcumin alleviates cecal oxidative injury in diquat-induced broilers by regulating the Nrf2/ARE pathway and microflora.

Poultry science , Volume: 103 Issue: 5 2024 May

Authors Wu F,Zhao M,Tang Z,Wang F,Han S,Liu S,Chen B

Effects of Bifidobacterium animalis subsp. lactis IU100 on Immunomodulation and Gut Microbiota in Immunosuppressed Mice.

Microorganisms , Volume: 12 Issue: 3 2024 Feb 29

Authors Zhou L,Yin X,Fang B,He J,Zhan J,Zhang X,Wang R

An Inulin-Type Fructan CP-A from Codonopsis pilosula Alleviated 5-Fluorouracil-Induced Intestinal Mucositis via the ERK/MLCK/MLC2 Pathway and Regulation of Gut Microbiota.

Pharmaceuticals (Basel, Switzerland) , Volume: 17 Issue: 3 2024 Feb 26

Authors Zhou J,Li D,Wang J,Cheng Z,Wang C,Zhang X,Xu X,Gao J

Postbiotics from Lactobacillus delbrueckii Alleviate Intestinal Inflammation by Promoting the Expansion of Intestinal Stem Cells in S. Typhimurium-Induced Mice.

Foods (Basel, Switzerland) , Volume: 13 Issue: 6 2024 Mar 14

Authors Wang M,Ren Y,Guo X,Ye Y,Zhu H,Zhang J,Huang Z,Yu K

Inulin protects against the harmful effects of dietary emulsifiers on mice gut microbiome.

PeerJ , Volume: 12 2024

Authors Bekar C,Ozmen O,Ozkul C,Ayaz A

Associations Between Health Behaviors, Gastrointestinal Symptoms, and Gut Microbiota in a Cross-Sectional Sample of Cancer Survivors: Secondary Analysis from the Chemo-Gut Study.

Integrative cancer therapies , Volume: 23 2024 Jan-Dec

Authors Deleemans JM,Chleilat F,Reimer RA,Lawal OA,Baydoun M,Piedalue KA,Lowry DE,Carlson LE

Effect of Lactobacillus plantarum BFS1243 on a female frailty model induced by fecal microbiota transplantation in germ-free mice.

Food & function , 2024 Mar 22

Authors Dong S,Zeng Q,He W,Cheng W,Zhang L,Zhong R,He W,Fang X,Wei H

Bacillus coagulans TCI711 Supplementation Improved Nonalcoholic Fatty Liver by Modulating Gut Microbiota: A Randomized, Placebo-Controlled, Clinical Trial.

Current developments in nutrition , Volume: 8 Issue: 3 2024 Mar

Authors Hsieh RH,Chien YJ,Lan WY,Lin YK,Lin YH,Chiang CF,Yang MT

Anti-inflammatory probiotics HF05 and HF06 synergistically alleviate ulcerative colitis and secondary liver injury.

Food & function , Volume: 15 Issue: 7 2024 Apr 2

Authors Liu C,Qi X,Liu X,Sun Y,Mao K,Shen G,Ma Y,Li Q

Lactobacillus reuteri mitigates hepatic ischemia/reperfusion injury by modulating gut microbiota and metabolism through the Nrf2/HO-1 signaling.

Biology direct , Volume: 19 Issue: 1 2024 Mar 18

Authors Zhang L,Gong X,Tan J,Zhang R,Li M,Liu C,Wu C,Li X

Bifidobacterium longum GL001 alleviates rat intestinal ischemia-reperfusion injury by modulating gut microbiota composition and intestinal tissue metabolism.

Food & function , Volume: 15 Issue: 7 2024 Apr 2

Authors Tang J,Zhao M,Miao X,Chen H,Zhao B,Wang Y,Guo Y,Wang T,Cheng X,Ruan H,Zhang J

Prebiotic inulin ameliorates SARS-CoV-2 infection in hamsters by modulating the gut microbiome.

NPJ science of food , Volume: 8 Issue: 1 2024 Mar 14

Authors Song I,Yang J,Saito M,Hartanto T,Nakayama Y,Ichinohe T,Fukuda S

Targeting Gut Microbiome With Prebiotic in Patients With CKD: The TarGut-CKD Study.

Kidney international reports , Volume: 9 Issue: 3 2024 Mar

Authors Sohn MB,Gao B,Kendrick C,Srivastava A,Isakova T,Gassman JJ,Fried LF,Wolf M,Cheung AK,Raphael KL,Vinales PC,Middleton JP,Pabalan A,Raj DS,Pilot Studies in CKD Consortium

Diet Mediate the Impact of Host Habitat on Gut Microbiome and Influence Clinical Indexes by Modulating Gut Microbes and Serum Metabolites.

Advanced science (Weinheim, Baden-Wurtemberg, Germany) , 2024 Mar 13

Authors Zhang J,Qi H,Li M,Wang Z,Jia X,Sun T,Du S,Su C,Zhi M,Du W,Ouyang Y,Wang P,Huang F,Jiang H,Li L,Bai J,Wei Y,Zhang X,Wang H,Zhang B,Feng Q

Polyphenols Influence the Development of Endometrial Cancer by Modulating the Gut Microbiota.

Nutrients , Volume: 16 Issue: 5 2024 Feb 28

Authors Baranowska-Wójcik E,Winiarska-Mieczan A,Olcha P,Kwiecien M,Jachimowicz-Rogowska K,Nowakowski L,Miturski A,Galczyński K

Dynamics of Gut Microbiota and Short-Chain Fatty Acids during a Cycling Grand Tour Are Related to Exercise Performance

and Modulated by Dietary Intake.

Nutrients , Volume: 16 Issue: 5 2024 Feb 27

Authors Fernandez-Sanjurjo M,Fernandez J,Martinez-Cambor P,Rodriguez-Alonso M,Ortolano-Rios R,Pinto-Hernandez P,Castilla-Silgado J,Coto-Vilcapoma A,Ruiz L,Villar CJ,Tomas-Zapico C,Margolles A,Fernandez-Garcia B,Iglesias-Gutierrez E,Lombó F

Correlation of Gut Microbiota with Children Obesity and Weight Loss.

Indian journal of microbiology , Volume: 64 Issue: 1 2024 Mar

Authors Peng LJ,Chen YP,Qu F,Zhong Y,Jiang ZS

Lactobacillus paracasei ZFM54 alters the metabolomic profiles of yogurt and the co-fermented yogurt improves the gut microecology of human adults.

Journal of dairy science , Volume: 107 Issue: 8 2024 Aug

Authors Chen X,Zhu Z,Zhang X,Chen L,Gu Q,Li P

The differential effect of two cereal foods on gut environment: a randomized, controlled, double-blind, parallel-group study.

Frontiers in nutrition , Volume: 10 2023

Authors Yamauchi Y,Masutomi H,Ishihara K,Hartanto T,Lee CG,Fukuda S

Short term supplementation with cranberry extract modulates gut microbiota in human and displays a bifidogenic effect.

NPJ biofilms and microbiomes , Volume: 10 Issue: 1 2024 Mar 6

Authors Lessard-Lord J,Roussel C,Lupien-Meilleur J,Généreux P,Richard V,Guay V,Roy D,Desjardins Y

Clostridium butyricum MIYAIRI 588 contributes to the maintenance of intestinal microbiota diversity early after haematopoietic cell transplantation.

Bone marrow transplantation , Volume: 59 Issue: 6 2024 Jun

Authors Fukushima K,Kudo H,Oka K,Hayashi A,Onizuka M,Kusakabe S,Hino A,Takahashi M,Takeda K,Mori M,Ando K,Hosen N

Lycium barbarum L. Balanced intestinal flora with YAP1/FXR activation in drug-induced liver injury.

International immunopharmacology , Volume: 130 2024 Mar 30

Authors Lu J,Gao Y,Gong Y,Yue Y,Yang Y,Xiong Y,Zhang Y,Xiao Y,Wang H,Fan H,Shi X

Curcumin protects mice with myasthenia gravis by regulating the gut microbiota, short-chain fatty acids, and the Th17/Treg balance.

Heliyon , Volume: 10 Issue: 4 2024 Feb 29

Authors Sun J,Xie Q,Sun M,Zhang W,Wang H,Liu N,Wang M

Synergistic activity of Limosilactobacillus reuteri KUB-AC5 and water-based plants against Salmonella challenge in a human in vitro gut model.

Scientific reports , Volume: 14 Issue: 1 2024 Feb 27

Authors Mok K,Honwichit O,Funnuam T,Charoensiddhi S,Nitisinprasert S,Nielsen DS,Nakphaichit M

Neuroprotective effects of probiotics on anxiety- and depression-like disorders in stressed mice by modulating tryptophan metabolism and the gut microbiota.

Food & function , Volume: 15 Issue: 6 2024 Mar 18

Authors Jia L,Xiao L,Fu Y,Shao Z,Jing Z,Yuan J,Xie Y,Guo J,Wang Y,Geng W

Curcumin attenuates aflatoxin B1-induced ileum injury in ducks by inhibiting NLRP3 inflammasome and regulating TLR4/NF- κ B signaling pathway.

Mycotoxin research , Volume: 40 Issue: 2 2024 May

Authors Pan H,Hu T,He Y,Zhong G,Wu S,Jiang X,Rao G,You Y,Ruan Z,Tang Z,Hu L

The Immunomodulatory Effects of A2 β -Casein on Immunosuppressed Mice by Regulating Immune Responses and the Gut Microbiota.

Nutrients , Volume: 16 Issue: 4 2024 Feb 13

Authors Li X,Lu X,Liu M,Zhang Y,Jiang Y,Yang X,Man C

Specific Antimicrobial Activities Revealed by Comparative Evaluation of Selected Gemmotherapy Extracts.

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 2 2024 Feb 13

Authors Héjja M,Mihok E,Alaya A,Jolji M,György É,Meszaros N,Turcus V,Oláh NK,Máthé E

Human gut microbiota fermentation of cooked eggplant, garlic, and onion supports distinct microbial communities.

Food & function , Volume: 15 Issue: 5 2024 Mar 4

Authors Rajakaruna S,Pérez-Burillo S,Rufián-Henares JÁ,Paliy O

Lactobacillus paracasei CCFM1222 Ameliorated the Intestinal Barrier and Regulated Gut Microbiota in Mice with Dextran Sulfate Sodium-Induced Colitis.

Probiotics and antimicrobial proteins , 2024 Feb 20

Authors Guo W,Tang X,Zhang Q,Xiong F,Yan Y,Zhao J,Mao B,Zhang H,Cui S

Inulin alters gut microbiota to alleviate post-stroke depressive-like behavior associated with the IGF-1-mediated MAPK signaling pathway.

Brain and behavior , Volume: 14 Issue: 1 2024 Jan

Authors Shao R,Tan X,Pan M,Huang J,Huang L,Bi B,Huang X,Wang J,Li X

Bifidobacterium animalis subsp. lactis A6 attenuates hippocampal damage and memory impairments in an ADHD rat model.

Food & function , Volume: 15 Issue: 5 2024 Mar 4

Authors Yin X,Liu W,Feng H,Huang J,Wang Q,Zhang Q,He J,Wang R

Lycium barbarum arabinogalactan alleviates intestinal mucosal damage in mice by restoring intestinal microbes and mucin O-glycans.

Carbohydrate polymers , Volume: 330 2024 Apr 15

Authors Zhao T,Liu S,Ma X,Shuai Y,He H,Guo T,Huang W,Wang Q,Liu S,Wang Z,Gong G,Huang L

Dietary probiotic Lactocaseibacillus paracasei NSMJ56 modulates gut immunity and microbiota in laying hens.

Poultry science , Volume: 103 Issue: 4 2024 Apr

Authors Kim YB,Park J, Lee HG,Song JY,Kim DH, Ji W,Joo SS,Kim M,Jung JY,Kim M,Lee KW

Potential mechanisms underlying inhibition of xenograft lung cancer models by kaempferol: modulation of gut microbiota in activating immune cell function.

Journal of Cancer , Volume: 15 Issue: 5 2024

Authors Guan M,Xu W,Bai H,Geng Z,Yu Z,Li H,Liu T

Perinatal Use of Citrulline Rescues Hypertension in Adult Male Offspring Born to Pregnant Uremic Rats.

International journal of molecular sciences , Volume: 25 Issue: 3 2024 Jan 28

Authors Tain YL,Hou CY,Chang-Chien GP,Lin S,Hsu CN

Dietary Lactobacillus delbrueckii Affects Ileal Bacterial Composition and Circadian Rhythms in Pigs.

Animals : an open access journal from MDPI , Volume: 14 Issue: 3 2024 Jan 26

Authors Luo W,Yin Z,Zhang M,Huang X,Yin J

Therapeutic Evaluation of Bifidobacterium animalis subsp. lactis MH-02 as an Adjunctive Treatment in Patients with Reflux Esophagitis: A Randomized, Double-Blind, Placebo-Controlled Trial.

Nutrients , Volume: 16 Issue: 3 2024 Jan 24

Authors Gan L,Wang Y,Huang S,Zheng L,Feng Q,Liu H,Liu P,Zhang K,Chen T,Fang N

Effects of Oat β -Glucan and Inulin on Alleviation of Nonalcoholic Steatohepatitis Aggravated by Circadian Disruption in C57BL/6J Mice.

Journal of agricultural and food chemistry , Volume: 72 Issue: 7 2024 Feb 21

Authors Kei N,Cheung KK, Ma KL,Yau TK,Lauw S,Wong VWS,You L,Cheung PCK

Temporal variations in the gut microbial diversity in response to high-fat diet and exercise.

Scientific reports , Volume: 14 Issue: 1 2024 Feb 8

Authors Imdad S,So B,Jang J,Park J, Lee SJ,Kim JH,Kang C

Anti-Diabetic Potentials of Lactobacillus Strains by Modulating Gut Microbiota Structure and β -Cells Regeneration in the Pancreatic Islets of Alloxan-Induced Diabetic Rats.

Probiotics and antimicrobial proteins , 2024 Feb 8

Authors Kumar M,Muthurayar T,Karthika S,Gayathri S,Varalakshmi P,Ashokkumar B

Microbiota modulation by dietary oat beta-glucan prevents steatotic liver disease progression.

JHEP reports : innovation in hepatology , Volume: 6 Issue: 3 2024 Mar

Authors Jaeger JW,Brandt A,Gui W,Yergaliyev T,Hernández-Arriaga A,Muthu MM,Edlund K,Elashy A,Molinaro A,Möckel D,Sarges J,Halibasic E,Trauner M,Kahles F,Rolle-Kampczyk U,Hengstler J,Schneider CV,Lammers T,Marschall HU,von Bergen M,Camarinha-Silva A,Bergheim I,Trautwein C,Schneider KM

Antibacterial activity of plant-derived compounds and cream formulations against canine skin bacteria.

Veterinary research communications , 2024 Feb 7

Authors Strompfová V,Štempelová L,Wolaschka T

Effect of ginger supplementation on the fecal microbiome in subjects with prior colorectal adenoma.

Scientific reports , Volume: 14 Issue: 1 2024 Feb 5

Authors Prakash A,Rubin N,Staley C,Onyeaghalu G,Wen YF,Shaukat A,Milne G,Straka RJ,Church TR,Prizment A

Mitigation of high-fat diet-induced hepatic steatosis by thyme (Thymus quinquecostatus Celak) polyphenol-rich extract (TPE): insights into gut microbiota modulation and bile acid metabolism.

Food & function , 2024 Feb 2

Authors Sheng X,Zhan P,Wang P,He W,Tian H

Temporal gut microbiota variability and association with dietary patterns: From the one-year observational Diet, Cancer, and Health - Next Generations MAX study.

The American journal of clinical nutrition , Volume: 119 Issue: 4 2024 Apr

Authors Rostgaard-Hansen AL,Esberg A,Dicksved J,Hansen T,Pelvé E,Brunius C,Halkjær J,Tjønneland A,Johansson I,Landberg R

Moderate intensity exercise may protect cardiac function by influencing spleen microbiome composition.

iScience , Volume: 27 Issue: 2 2024 Feb 16

Authors Xiao J,Chen X,Guo W,Li Y,Liu J

The antioxidant strain Lactiplantibacillus plantarum AS21 and Clostridium butyricum ameliorate DSS-induced colitis in mice by remodeling the assembly of intestinal microbiota and improving gut functions.

Food & function , Volume: 15 Issue: 4 2024 Feb 19

Authors Li W,Zhang Y,Chen M,Guo X,Ding Z

Bifidobacterium animalis subsp. lactis F1-7 Alleviates Lipid Accumulation in Atherosclerotic Mice via Modulating Bile Acid Metabolites to Downregulate Intestinal FXR.

Journal of agricultural and food chemistry , Volume: 72 Issue: 5 2024 Feb 7

Authors Liang X,Zheng X,Wang P,Zhang H,Ma Y,Liang H,Zhang Z

Effect of dietary inclusion of Bacillus-based probiotics on performance, egg quality, and the faecal microbiota of laying hen.

Animal bioscience , Volume: 37 Issue: 4 2024 Apr

Authors Tajudeen H,Ha SH,Hosseindoust A,Mun JY,Park S,Park S,Choi P,Hermes RG,Taechavasonyoo A,Rodríguez R,Kim J

Dietary supplementation with probiotics promotes weight loss by reshaping the gut microbiome and energy metabolism in obese dogs.

Microbiology spectrum , 2024 Jan 25

Authors Kang A,Kwak M-J,Lee DJ,Lee JJ,Kim MK,Song M,Lee M,Yang J,Oh S,Kim Y

Lactobacillus plantarum attenuates glucocorticoid-induced osteoporosis by altering the composition of rat gut microbiota and serum metabolic profile.

Frontiers in immunology , Volume: 14 2023

Authors Li S,Han X,Liu N,Chang J,Liu G,Hu S

The Effect of Lactobacillus plantarum on the Fecal Microbiota, Short Chain Fatty Acids, Odorous Substances, and Blood Biochemical Indices of Cats.

Microorganisms , Volume: 12 Issue: 1 2024 Jan 2

Authors Han B,Liang S,Sun J,Tao H,Wang Z,Liu B,Wang X,Liu J,Wang J

Curcumin Mitigates the High-Fat High-Sugar Diet-Induced Impairment of Spatial Memory, Hepatic Metabolism, and the Alteration of the Gut Microbiome in Alzheimer's Disease-Induced (3xTg-AD) Mice.

Nutrients , Volume: 16 Issue: 2 2024 Jan 12

Authors Lamichhane G,Liu J,Lee SJ,Lee DY,Zhang G,Kim Y

Wheat Bran Polyphenols Ameliorate DSS-Induced Ulcerative Colitis in Mice by Suppressing MAPK/NF- κ B Inflammasome Pathways and Regulating Intestinal Microbiota.

Foods (Basel, Switzerland) , Volume: 13 Issue: 2 2024 Jan 10

Authors Wen X,Peng H,Zhang H,He Y,Guo F,Bi X,Liu J,Sun Y

Intestinal toxicity alleviation and efficacy potentiation through therapeutic administration of Lactobacillus paracasei GY-1 in the treatment of gout flares with colchicine.

Food & function , Volume: 15 Issue: 3 2024 Feb 5

Authors Zeng J,Li Y,Zou Y,Yang Y,Yang T,Zhou Y

Lactic acid fermentation of goji berries (Lycium barbarum) prevents acute alcohol liver injury and modulates gut microbiota and metabolites in mice.

Food & function , Volume: 15 Issue: 3 2024 Feb 5

Authors Duan W,Zhou L,Ren Y,Liu F,Xue Y,Wang FZ,Lu R,Zhang XJ,Shi JS,Xu ZH,Geng Y

Oat protein isolate-Pleurotus ostreatus β -glucan conjugate nanoparticles bound to β -carotene effectively alleviate immunosuppression by regulating gut microbiota.

Food & function , Volume: 15 Issue: 4 2024 Feb 19

Authors Zhong L,Hu Q,Zhan Q,Zhao M,Zhao L

Effect of Lactobacillus plantarum ZFM4 in Helicobacter pylori-infected C57BL/6 mice: prevention is better than cure.

Frontiers in cellular and infection microbiology , Volume: 13 2023

Authors Yu YY,Wu LY,Sun X,Gu Q,Zhou QQ

Impact of Bacillus licheniformis from yaks following antibiotic therapy in mouse model.

Applied microbiology and biotechnology , Volume: 108 Issue: 1 2024 Dec

Authors Zeng Z,Gong S,Quan C,Zhou S,Kulyar MF,Iqbal M,Li Y,Li X,Li J

Lactobacillus reuteri derived from horse alleviates Escherichia coli-induced diarrhea by modulating gut microbiota.

Microbial pathogenesis , Volume: 188 2024 Mar

Authors Wang D,Zeng J,Wujin C,Ullah Q,Su Z

Dietary inulin alleviated constipation induced depression and anxiety-like behaviors: Involvement of gut microbiota and microbial metabolite short-chain fatty acid.

International journal of biological macromolecules , Volume: 259 Issue: Pt 2 2024 Feb

Authors Zou H,Gao H,Liu Y,Zhang Z,Zhao J,Wang W,Ren B,Tan X

Effects of aerobic exercise or Tai Chi Chuan interventions on problematic mobile phone use and the potential role of

intestinal flora: A multi-arm randomized controlled trial.

Journal of psychiatric research , Volume: 170 2024 Feb

Authors Zhang K,Guo H,Zhang X,Yang H,Yuan G,Zhu Z,Lu X,Zhang J,Du J,Shi H,Jin G,Ren J,Hao J,Sun Y,Su P,Zhang Z

Probiotic Bacillus licheniformis ZW3 Alleviates DSS-Induced Colitis and Enhances Gut Homeostasis.

International journal of molecular sciences , Volume: 25 Issue: 1 2024 Jan 1

Authors Jia D,Li Y,Wang Y,Guo Y,Liu J,Zhao S,Wang J,Guan G,Luo J,Yin H,Tang L,Li Y

Safety Assessment and Probiotic Potential Comparison of Bifidobacterium longum subsp. infantis BLI-02, Lactobacillus plantarum LPL28, Lactobacillus acidophilus TYCA06, and Lactobacillus paracasei ET-66.

Nutrients , Volume: 16 Issue: 1 2023 Dec 29

Authors Chen JF,Hsia KC,Kuo YW,Chen SH,Huang YY,Li CM,Hsu YC,Tsai SY,Ho HH

Prospective Randomized, Double-Blind, Placebo-Controlled Study of a Standardized Oral Pomegranate Extract on the Gut Microbiome and Short-Chain Fatty Acids.

Foods (Basel, Switzerland) , Volume: 13 Issue: 1 2023 Dec 19

Authors Sivamani RK,Chakalakal M,Pan A,Nadora D,Min M,Dumont A,Burney WA,Chambers CJ

Highland barley β -glucan supplementation attenuated hepatic lipid accumulation in Western diet-induced non-alcoholic fatty liver disease mice by modulating gut microbiota.

Food & function , Volume: 15 Issue: 3 2024 Feb 5

Authors Liu H,Nie C,Hu X,Li J

A systematic review on the effects of exercise on gut microbial diversity, taxonomic composition, and microbial metabolites: identifying research gaps and future directions.

Frontiers in physiology , Volume: 14 2023

Authors Cullen JMA,Shahzad S,Dhillon J

Dietary novel alkaline protease from Bacillus licheniformis improves broiler meat nutritional value and modulates intestinal microbiota and metabolites.

Animal microbiome , Volume: 6 Issue: 1 2024 Jan 6

Authors Yi W,Liu Y,Fu S,Zhuo J,Wang J,Shan T

Lactiplantibacillus plantarum X7022 Plays Roles on Aging Mice with Memory Impairment Induced by D-Galactose Through Restoring Neuronal Damage, Relieving Inflammation and Oxidative Stress.

Probiotics and antimicrobial proteins , Volume: 17 Issue: 1 2025 Feb

Authors Yin D,Zhao L,Deng S,Xie Y,Ro KS,Yang Z,Du L,Xie J,Wei D

Bifidobacterium longum SX-1326 ameliorates gastrointestinal toxicity after irinotecan chemotherapy via modulating the P53 signaling pathway and brain-gut axis.

BMC microbiology , Volume: 24 Issue: 1 2024 Jan 3

Authors Yue F,Zeng X,Wang Y,Fang Y,Yue M,Zhao X,Zhu R,Zeng Q,Wei J,Chen T

Co-administration of the prebiotic 1-kestose and the paraprobiotic Lactiplantibacillus plantarum FM8 in magellanic penguins promotes the activity of intestinal Lactobacillaceae and reduces the plc gene levels encoding Clostridium perfringens toxin.

The Journal of veterinary medical science , Volume: 86 Issue: 2 2024 Feb 8

Authors Fujii T,Kezuka C,Kawaguchi Y,Yamakawa S,Kondo N,Funasaka K,Hirooka Y,Tochio T

Integrated gut microbiome and metabolome analysis reveals the inhibition effect of Lactobacillus plantarum CBT against colorectal cancer.

Food & function , Volume: 15 Issue: 2 2024 Jan 22

Authors Chen YY,Fei F,Ding LL,Wen SY,Ren CF,Gong AH

Therapeutic effects of curcumin on constipation-predominant irritable bowel syndrome is associated with modulating gut microbiota and neurotransmitters.

Frontiers in microbiology , Volume: 14 2023

Authors Tu X,Ren H,Bu S

Relationships between diet and gut microbiome in an Italian and Dutch cohort: does the dietary protein to fiber ratio play a role?

European journal of nutrition , Volume: 63 Issue: 3 2024 Apr

Authors Tagliamonte S,Puhlmann ML,De Filippis F,Guerville M,Ercolini D,Vitaglione P

Antifungal Effect of Probiotic Lactobacillus casei on Drug-Resistant Oral Candida albicans Isolated from Patients with Hematological Malignancy: an in vitro Study.

Journal of dentistry (Shiraz, Iran) , Volume: 24 Issue: 4 2023 Dec

Authors Sharifzadeh SS,Lotfali E,Lesan S,Farrokhnia T

Oat-based postbiotics ameliorate high-sucrose induced liver injury and colitis susceptibility by modulating fatty acids metabolism and gut microbiota.

The Journal of nutritional biochemistry , Volume: 125 2024 Mar

Authors Song W,Wen R,Liu T,Zhou L,Wang G,Dai X,Shi L

Sulforaphane and Sulforaphane-Nitrile Metabolism in Humans Following Broccoli Sprout Consumption: Inter-individual Variation, Association with Gut Microbiome Composition, and Differential Bioactivity.

Molecular nutrition & food research , Volume: 68 Issue: 4 2024 Feb

Authors Bouranis JA,Beaver LM,Wong CP,Choi J,Hamer S,Davis EW,Brown KS,Jiang D,Sharpton TJ,Stevens JF,Ho E

Dietary fibre confers therapeutic effects in a preclinical model of Huntington's disease.

Brain, behavior, and immunity , Volume: 116 2024 Feb

Authors Gubert C,Kong G,Costello C,Adams CD,Masson BA,Qin W,Choo J,Narayana VK,Rogers G,Renoir T,Furness JB,Hannan AJ

Effects of Dietary Limosilactobacillus fermentum and Lactaseibacillus paracasei Supplementation on the Intestinal Stem Cell Proliferation, Immunity, and Ileal Microbiota of Broiler Chickens Challenged by Coccidia and Clostridium perfringens.

Animals : an open access journal from MDPI , Volume: 13 Issue: 24 2023 Dec 15

Authors Guo S,Tong W,Qi Y,Jiang M,Li P,Zhang Z,Hu Q,Song Z,Ding B

Effects of Lactobacillus plantarum HW1 on Growth Performance, Intestinal Immune Response, Barrier Function, and Cecal Microflora of Broilers with Necrotic Enteritis.

Animals : an open access journal from MDPI , Volume: 13 Issue: 24 2023 Dec 10

Authors Chen P,Lv H,Liu W,Wang Y,Zhang K,Che C,Zhao J,Liu H

Bifidobacterium animalis subsp. lactis Probio-M8 alleviates abnormal behavior and regulates gut microbiota in a mouse model suffering from autism.

mSystems , Volume: 9 Issue: 1 2024 Jan 23

Authors Miao Z,Chen L,Zhang Y,Zhang J,Zhang H

A synbiotic formulation of Lactobacillus reuteri and inulin alleviates ASD-like behaviors in a mouse model: the mediating role of the gut-brain axis.

Food & function , Volume: 15 Issue: 1 2024 Jan 2

Authors Wang C,Chen W,Jiang Y,Xiao X,Zou Q,Liang J,Zhao Y,Wang Q,Yuan T,Guo R,Liu X,Liu Z

Identification of inulin-responsive bacteria in the gut microbiota via multi-modal activity-based sorting.

Nature communications , Volume: 14 Issue: 1 2023 Dec 14

Authors Riva A,Rasoulimehrabani H,Cruz-Rubio JM,Schnorr SL,von Baeckmann C,Inan D,Nikolov G,Herbold CW,Hausmann B,Pjevac P,Schintlmeister A,Spittler A,Palatinszky M,Kadunic A,Hieger N,Del Favero G,von Bergen M,Jehmlich N,Watzka M,Lee KS,Wiesenbauer J,Khadem S,Viernstein H,Stocker R,Wagner M,Kaiser C,Richter A,Kleitz F,Berry D

Kale improves bowel movements in constipated women and affects some intestinal microbes and metabolites: a pilot study.

Frontiers in nutrition , Volume: 10 2023

Authors Nishimoto Y,Salim F,Yamauchi Y,Mori Y,Murakami S,Suzuki A,Fukuda S,Yamada T

Effect of beta-glucan supplementation on cystic fibrosis colonic microbiota: an in vitro study.

Pediatric research , Volume: 95 Issue: 6 2024 May

Authors Asensio-Grau A,Heredia A,García-Hernández J,Cabrera-Rubio R,Masip E,Ribes-Koninckx C,Collado MC,Andrés A,Calvo-Lerma J

The Inhibitory Activity of Lactobacillus plantarum Supernatant against Enterobacteria, Campylobacter, and Tumor Cells.

Bulletin of experimental biology and medicine , Volume: 176 Issue: 1 2023 Nov

Authors Danilova TA,Adzhieva AA,Mezentseva MV,Suetina IA,Danilina GA,Minko AG,Dmitrieva ML,Zhukhovitsky VG

Impact of structurally diverse polysaccharides on colonic mucin O-glycosylation and gut microbiota.

NPJ biofilms and microbiomes , Volume: 9 Issue: 1 2023 Dec 11

Authors Zhao T,Zhang Y,Nan L,Zhu Q,Wang S,Xie Y,Dong X,Cao C,Lin X,Lu Y,Liu Y,Huang L,Gong G,Wang Z

Effects of Dietary Level of Corn Bran on Laying Performance and Cecum Microbial Communities in Laying Ducks.

Animals : an open access journal from MDPI , Volume: 13 Issue: 23 2023 Nov 30

Authors Hou J,Zeng Q,Ding X,Bai S,Wang J,Peng H,Lv L,Xuan Y,Zeng T,Tian Y,Lu L,Zhang K

Phytobiotic-Prebiotic Feed Additive Containing a Combination of Carob Pulp, Chicory, and Fenugreek Improve Growth Performance, Carcass Traits, and Fecal Microbiota of Fattening Pigs.

Animals : an open access journal from MDPI , Volume: 13 Issue: 23 2023 Nov 23

Authors Juhász Á,Molnár-Nagy V,Bata Z,Tso KH,Posta K

Lycium barbarum polysaccharide alleviates DSS-induced chronic ulcerative colitis by restoring intestinal barrier function and modulating gut microbiota.

Annals of medicine , Volume: 55 Issue: 2 2023

Authors Li ZY,Lin LH,Liang HJ,Li YQ,Zhao FQ,Sun TY,Liu ZY,Zhu JY,Gu F,Xu JN,Hao QY,Zhou DS,Zhai HH

Akkermansia muciniphila and Alcohol-Related Liver Diseases. A Systematic Review.

Molecular nutrition & food research , Volume: 68 Issue: 2 2024 Jan

Authors Sparfel L,Ratodiarivony S,Boutet-Robinet E,Ellero-Simatos S,Jolivet-Gougeon A

The effects of 6 wk of resistance training on the gut microbiome and cardiometabolic health in young adults with overweight and obesity.

Journal of applied physiology (Bethesda, Md. : 1985) , Volume: 136 Issue: 2 2024 Feb 1

Authors Cullen JMA,Shahzad S,Kanaley JA,Ericsson AC,Dhillon J

Role of microencapsulated Lactobacillus plantarum in alleviating intestinal inflammatory damage through promoting epithelial proliferation and differentiation in layer chicks.

Frontiers in microbiology , Volume: 14 2023

Authors Cui Y,Huang P,Duan H,Song S,Gan L,Liu Z,Lin Q,Wang J,Qi G,Guan J

Free lipoproteins from Bifidobacterium longum alleviate osteoarthritis through modulation of the gut microbiome.

Microbiome research reports , Volume: 2 Issue: 3 2023

Authors Sane F,Piva F,Romond MB

Next-generation sequencing of the athletic gut microbiota: a systematic review.

Microbiome research reports , Volume: 2 Issue: 1 2023

Authors Sabater C,Iglesias-Gutiérrez E,Ruiz L,Margolles A

Bacillus coagulans prevents the decline in average daily feed intake in young piglets infected with enterotoxigenic Escherichia coli K88 by reducing intestinal injury and regulating the gut microbiota.

Frontiers in cellular and infection microbiology , Volume: 13 2023

Authors Zhang Y,Tian X,Dong Y,Li R,Shen M,Yi D,Wu T,Wang L,Zhao D,Hou Y

Effects of different wheat bran fermentation sources on growth performance, nutrient digestibility, serum antioxidant capacity and fecal microbiota in growing pigs.

Frontiers in veterinary science , Volume: 10 2023

Authors Liu H,Ren X,Li Y,Cao Q,Yang L,Jiang S,Fu J,Gao J,Yan L,Li J,Yang W

Curcumin alleviates traumatic brain injury induced by gas explosion through modulating gut microbiota and suppressing the LPS/TLR4/MyD88/NF- κ B pathway.

Environmental science and pollution research international , Volume: 31 Issue: 1 2024 Jan

Authors Dong X,Deng L,Su Y,Han X,Yao S,Wu W,Cao J,Tian L,Bai Y,Wang G,Ren W

Green synthesis of biogenic selenium nanoparticles functionalized with ginger dietary extract targeting virulence factor and biofilm formation in Candida albicans.

Microbial pathogenesis , Volume: 186 2024 Jan

Authors Thombre D,Shelar A,Nakhale S,Khairnar B,Karale N,Sangshetti J,Nile SH,Patil R

Prebiotic potential of green banana flour: impact on gut microbiota modulation and microbial metabolic activity in a murine model.

Frontiers in nutrition , Volume: 10 2023

Authors Baek GH,Kim YJ,Lee Y,Jung SC,Seo HW,Kim JS

Distinct Microbial Taxa Are Associated with LDL-Cholesterol Reduction after 12 Weeks of Lactobacillus plantarum Intake in Mild Hypercholesterolemia: Results of a Randomized Controlled Study.

Probiotics and antimicrobial proteins , 2023 Nov 28

Authors Kerlikowsky F,Müller M,Greupner T,Amend L,Strowig T,Hahn A

Effects of Dietary Bacillus coagulans and Tributyrin on Growth Performance, Serum Antioxidants, Intestinal Morphology, and Cecal Microbiota of Growing Yellow-Feathered Broilers.

Animals : an open access journal from MDPI , Volume: 13 Issue: 22 2023 Nov 15

Authors Hou J,Lian L,Lu L,Gu T,Zeng T,Chen L,Xu W,Li G,Wu H,Tian Y

Lactobacillus paracasei Relieves Constipation by Acting on the Acetic Acid-5-HT-Intestinal Motility Pathway.

Foods (Basel, Switzerland) , Volume: 12 Issue: 22 2023 Nov 20

Authors Wang L,Yang S,Mei C,Tang N,Wang J,Yu Q,Wang G,Wu G,Zhao J,Chen W

Influence of Sex and a High-Fiber Diet on the Gut Microbiome of Alentejano Pigs Raised to Heavy Weights.

Veterinary sciences , Volume: 10 Issue: 11 2023 Nov 2

Authors Albuquerque A,Garrido N,Charneca R,Egas C,Martin L,Ramos A,Costa F,Marmelo C,Martins JM

Does the ketogenic diet improve neurological disorders by influencing gut microbiota? A systematic review.

Nutrition journal , Volume: 22 Issue: 1 2023 Nov 20

Authors Mazandarani M,Lashkarbolouk N,Ejtahed HS,Qorbani M

Ketogenic Diet Has Moderate Effects on the Fecal Microbiota of Wild-Type Mice.

Nutrients , Volume: 15 Issue: 21 2023 Oct 31

Authors Rohwer N,El Hage R,Smyl C,Ocvirk S,Goris T,Grune T,Swidsinski A,Weylandt KH

Lactobacillus plantarum Zhang-LL Inhibits Colitis-Related Tumorigenesis by Regulating Arachidonic Acid Metabolism and CD22-Mediated B-Cell Receptor Regulation.

Nutrients , Volume: 15 Issue: 21 2023 Oct 25

Authors Zhu J,Liu W,Bian Z,Ma Y,Kang Z,Jin J,Li X,Ge S,Hao Y,Zhang H,Xie Y

Epigallocatechin gallate alleviates osteoporosis by regulating the gut microbiota and serum metabolites in rats.

Food & function , Volume: 14 Issue: 23 2023 Nov 27

Authors Han X,Fu Y,Wang K,Li S,Jiang C,Wang S,Wang Z,Liu G,Hu S

Wolfberry, Yam, and Chrysanthemum polysaccharides increased intestinal Akkermansia muciniphila abundance and hepatic YAP1 expression to alleviate DILI.

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 37 Issue: 12 2023 Dec

Authors Lu J,Gong Y,Gao Y,Yang Y,Zhang Y,Zhang Z,Shi X

Inulin prebiotic ameliorates type 1 diabetes dictating regulatory T cell homing via CCR4 to pancreatic islets and butyrogenic gut microbiota in murine model.

Journal of leukocyte biology , Volume: 115 Issue: 3 2024 Feb 23

Authors Guimarães JB,Rodrigues VF,Pereira ÍS,Manso GMDC,Elias-Oliveira J,Leite JA,Waldetario MCGM,de Oliveira S,Gomes ABDSP,Faria AMC,Ramos SG,Bonato VLD,Silva JS,Vinolo MAR,Sampaio UM,Clerici MTPS,Carlos D

Dietary Galactooligosaccharides Supplementation as a Gut Microbiota-Regulating Approach to Lower Early Life Arsenic Exposure.

Environmental science & technology , 2023 Nov 9

Authors Zhang YS,Juhasz AL,Xi JF,Ma LQ,Zhou D,Li HB

Early life exposure to broccoli sprouts confers stronger protection against enterocolitis development in an immunological mouse model of inflammatory bowel disease.

mSystems , Volume: 8 Issue: 6 2023 Dec 21

Authors Holcomb L,Holman JM,Hurd M,Lavoie B,Colucci L,Hunt B,Hunt T,Kinney M,Pathak J,Mawe GM,Moses PL,Perry E,Stratigakis A,Zhang T,Chen G,Ishaq SL,Li Y

Bifidobacterium longum subsp. longum BL21 Ameliorates Alcoholic Liver Disease in Mice Through Enhancement of the Hepatic Antioxidant Capacity and Modulation of the Gut Microbiota.

Journal of applied microbiology , 2023 Oct 31

Authors Dong Y,Wu Z,Gai Z,Han M

Gut microbiota and metabolic modulation by supplementation of polysaccharide-producing Bacillus licheniformis from Tibetan Yaks: A comprehensive multi-omics analysis.

International journal of biological macromolecules , Volume: 254 Issue: Pt 2 2024 Jan

Authors Zeng Z,Quan C,Zhou S,Gong S,Iqbal M,Kulyar MF,Nawaz S,Li K,Li J

Clostridium butyricum and Clostridium tyrobutyricum: angel or devil for necrotizing enterocolitis?

mSystems , 2023 Nov 3

Authors Tao R,Zong G,Pan Y,Li H,Cheng P,Deng R,Chen W,Wang A,Xia S,Tang W,Lu Y,Wei Z

Antitumor effect of exopolysaccharide from Lactiplantibacillus plantarum WLPL09 on melanoma mice via regulating immunity and gut microbiota.

International journal of biological macromolecules , Volume: 254 Issue: Pt 1 2023 Oct 31

Authors Wang Q,Jiang B,Wei M,He Y,Wang Y,Zhang Q,Wei H,Tao X

Promoting intestinal antimicrobial defense and microbiome symbiosis contributes to IL-22-mediated protection against alcoholic hepatitis in mice.

Frontiers in immunology , Volume: 14 2023

Authors Yue R,Wei X,Hao L,Dong H,Guo W,Sun X,Zhao J,Zhou Z,Zhong W

High-fibre diets regulate antioxidative capacity and promote intestinal health by regulating bacterial microbiota in growing pigs.

Journal of animal physiology and animal nutrition , Volume: 108 Issue: 2 2024 Mar

Authors Li Z,Zhao Y,Wang H,Zhang W,Zhang C,Xie J,Ma X

Spices as Sustainable Food Preservatives: A Comprehensive Review of Their Antimicrobial Potential.

Pharmaceuticals (Basel, Switzerland) , Volume: 16 Issue: 10 2023 Oct 12

Authors Sulieman AME,Abdallah EM,Alanazi NA,Ed-Dra A,Jamal A,Idriss H,Alshammari AS,Shommo SAM

Modulation of the Gut Microbiota by the Plantaricin-Producing Lactiplantibacillus plantarum D13, Analysed in the DSS-Induced Colitis Mouse Model.

International journal of molecular sciences , Volume: 24 Issue: 20 2023 Oct 18

Authors Butorac K,Novak J,Banic M,Leboš Pavunc A,Culjak N,Oršolic N,Odeh D,Perica J,Šušćkovic J,Kos B

Uncovering the promising role of grape pomace as a modulator of the gut microbiome: An in-depth review.

Heliyon , Volume: 9 Issue: 10 2023 Oct

Authors Sinrod AJG,Shah IM,Surek E,Barile D

Differential effects of plant-based flours on metabolic homeostasis and the gut microbiota in high-fat fed rats.

Nutrition & metabolism , Volume: 20 Issue: 1 2023 Oct 19

Authors Martinez TM,Wachsmuth HR,Meyer RK,Weninger SN,Lane AI,Kangath A,Schiro G,Laubitz D,Stern JH,Duca FA

Phlorizin Mitigates Dextran Sulfate Sodium-Induced Colitis in Mice by Modulating Gut Microbiota and Inhibiting Ferroptosis.

Journal of agricultural and food chemistry , 2023 Oct 19

Authors Cheng J,Liu D,Huang Y,Chen L,Li Y,Yang Z,Fu S,Hu G

Effect of grape pomace supplement on growth performance, gastrointestinal microbiota, and methane production in Tan lambs.

Frontiers in microbiology , Volume: 14 2023

Authors Cheng X,Du X,Liang Y,Degen AA,Wu X,ji K,Gao Q,Xin G,Cong H,Yang G

Thymus Vulgaris Oil Nanoemulsion: Synthesis, Characterization, Antimicrobial and Anticancer Activities.

Molecules (Basel, Switzerland) , Volume: 28 Issue: 19 2023 Oct 2

Authors Doghish AS,Shehabeldine AM,El-Mahdy HA,Hassanin MMH,Al-Askar AA,Marey SA,AbdElgawad H,Hashem AH

Whole-Grain Highland Barley Attenuates Atherosclerosis Associated with NLRP3 Inflammasome Pathway and Gut Microbiota in ApoE(-/-) Mice.

Nutrients , Volume: 15 Issue: 19 2023 Sep 28

Authors Wu T,Yu Q,Luo Y,Dai Z,Zhang Y,Wang C,Shen Q,Xue Y

Ameliorating Effects of Bifidobacterium longum subsp. infantis FB3-14 against High-Fat-Diet-Induced Obesity and Gut Microbiota Disorder.

Nutrients , Volume: 15 Issue: 19 2023 Sep 22

Authors Kou R,Wang J,Li A,Wang Y,Zhang B,Liu J,Sun Y,Wang S

Biological activities, therapeutic potential, and pharmacological aspects of blackcurrants (Ribes nigrum L): A comprehensive review.

Food science & nutrition , Volume: 11 Issue: 10 2023 Oct

Authors Ejaz A,Waliat S,Afzaal M,Saeed F,Ahmad A,Din A,Ateeq H,Asghar A,Shah YA,Rafi A,Khan MR

Comprehensive evaluation of the prebiotic properties of Dendrobium officinale polysaccharides, β -glucan, and inulin during in vitro fermentation via multi-omics analysis.

International journal of biological macromolecules , Volume: 253 Issue: Pt 7 2023 Dec 31

Authors Sun Y,Zhang S,He H,Chen H,Nie Q,Li S,Cheng J,Zhang B,Zheng Z,Pan S,Huang P,Lian L,Hu J,Nie S

Butyrogenic, bifidogenic and slight anti-inflammatory effects of a green kiwifruit powder (Kiwi FFG®) in a human gastrointestinal model simulating mild constipation.

Food research international (Ottawa, Ont.) , Volume: 173 Issue: Pt 2 2023 Nov

Authors Goya-Jorge E,Bondue P,Gonza I,Laforêt F,Antoine C,Boutaleb S,Douny C,Scippo ML,de Ribaucourt JC,Crahay F,Delcenserie V

Highland barley attenuates high fat and cholesterol diet induced hyperlipidemia in mice revealed by 16S rRNA gene sequencing and untargeted metabolomics.

Life sciences , Volume: 334 2023 Dec 1

Authors Li X,Wang L

The effect of physical exercise and dairy probiotics (Lactobacillus casei) on gut microbiome in childhood cancer survivors.

Neoplasma , Volume: 70 Issue: 4 2023 Aug

Authors Bielík V,Hric I,Šmahová S,Tkaciková M,Hlaváčová V,Nechalová L,Ugrayová S,Kolenová A

Enterococcus faecium C171: Modulating the Immune Response to Acute Lethal Viral Challenge.

International journal of antimicrobial agents , Volume: 62 Issue: 5 2023 Nov

Authors Mi J,He T,Hu X,Wang Z,Wang T,Qi X,Li K,Gao L,Liu C,Zhang Y,Wang S,Qiu Y,Liu Z,Song J,Wang X,Gao Y,Cui H

Combined oral intake of short and long fructans alters the gut microbiota in food allergy model mice and contributes to food allergy prevention.

BMC microbiology , Volume: 23 Issue: 1 2023 Sep 22

Authors Takahashi H,Fujii T,Yamakawa S,Yamada C,Fujiki K,Kondo N,Funasaka K,Hirooka Y,Tochio T

The Synergism of Human Lactobacillaceae and Inulin Decrease Hyperglycemia via Regulating the Composition of Gut Microbiota and Metabolic Profiles in db/db Mice.

Journal of microbiology and biotechnology , Volume: 33 Issue: 12 2023 Aug 21

Authors Li P,Tong T,Wu Y,Zhou X,Zhang M,Liu J,She Y,Li Z,Li A

Effect of Probiotic Supplementation on the Gut Microbiota Composition of Infants Delivered by Cesarean Section: An Exploratory, Randomized, Open-label, Parallel-controlled Trial.

Current microbiology , Volume: 80 Issue: 11 2023 Sep 15

Authors Gong Y,Zhong H,Wang J,Wang X,Huang L,Zou Y,Qin H,Yang R

Effects of Ramadan intermittent fasting on gut microbiome: is the diet key?

Frontiers in microbiology , Volume: 14 2023

Authors Saglam D,Colak GA,Sahin E,Ekren BY,Sezerman U,Bas M

Gut microbial change after administration of Lactacaseibacillus paracasei A0356 is associated with anti-obesity in a mouse model.

Frontiers in endocrinology , Volume: 14 2023

Authors Song EJ,lee ES,Kim Yi,Shin DU,Eom JE,Shin HS,lee SY,Nam YD

Steamed broccoli sprouts alleviate DSS-induced inflammation and retain gut microbial biogeography in mice.

mSystems , Volume: 8 Issue: 5 2023 Oct 26

Authors Holman JM, Colucci L, Baudewyns D, Balkan J, Hunt T, Hunt B, Kinney M, Holcomb L, Stratigakis A, Chen G, Moses PL, Mawe GM, Zhang T, Li Y, Ishaq SL

Genomic DNA Extracted from Lactiplantibacillus plantarum Attenuates Porphyromonas gingivalis Lipopolysaccharide (LPS)-Induced Inflammatory Responses via Suppression of Toll-Like Receptor (TLR)-Mediated Mitogen-Activated Protein Kinase (MAPK) and Nuclear Factor- κ B (NF- κ B) Signaling Pathways.

Food science of animal resources , Volume: 43 Issue: 5 2023 Sep

Authors Choi YH, Kim BS, Kang SS

The effects of Ascophyllum nodosum, Camellia sinensis-leaf extract, and their joint interventions on glycolipid and energy metabolism in obese mice.

Frontiers in nutrition , Volume: 10 2023

Authors Xu Y, Jia X, Zhang W, Xie Q, Zhu M, Zhao Z, Hao J, Li H, Du J, Liu Y, Feng H, He J, Li H

Effect of Ginger Root Powder on Gastrointestinal Bacteria Composition, Gastrointestinal Symptoms, Mental Health, Fatigue, and Quality of Life: A Double-Blind Placebo-Controlled Trial.

The Journal of nutrition , Volume: 153 Issue: 11 2023 Nov

Authors Crichton M, Marshall S, Marx W, Isenring E, Vázquez-Campos X, Dawson SL, Lohning A

Microbial modifications with Lycium barbarum L. oligosaccharides decrease hepatic fibrosis and mitochondrial abnormalities in mice.

Phytomedicine : international journal of phytotherapy and phytopharmacology , Volume: 120 2023 Nov

Authors Zhang Z, Lu W, Liu P, Li M, Ge X, Yu B, Wu Z, Liu G, Ding N, Cui B, Chen X

The Immunomodulatory Effect of β -Glucan Depends on the Composition of the Gut Microbiota.

Foods (Basel, Switzerland) , Volume: 12 Issue: 17 2023 Aug 22

Authors Sung M, Yoon Y, Lee J

Antidepressant properties of voluntary exercise mediated by gut microbiota.

Bioscience, biotechnology, and biochemistry , Volume: 87 Issue: 11 2023 Oct 25

Authors Watanabe C, Oyanagi E, Aoki T, Hamada H, Kawashima M, Yamagata T, Kremenik MJ, Yano H

Voluntary exercise does not increase gastrointestinal motility but increases spatial memory, intestinal eNOS, Akt levels, and Bifidobacteria abundance in the microbiome.

Frontiers in physiology , Volume: 14 2023

Authors Bakonyi P, Kolonics A, Aczel D, Zhou L, Mozaffaritarab S, Molnár K, László L, Kutasi B, Tanisawa K, Park J, Gu Y, Pinho RA, Radak Z

Positive efficacy of Lactiplantibacillus plantarum MH-301 as a postoperative adjunct to endoscopic sclerotherapy for internal hemorrhoids: a randomized, double-blind, placebo-controlled trial.

Food & function , 2023 Sep 1

Authors Zhang K, Liu H, Liu P, Feng Q, Gan L, Yao L, Huang G, Fang Z, Chen T, Fang N

Lactobacillus paracasei AH2 isolated from Chinese sourdough alleviated gluten-induced food allergy through modulating gut microbiota and promoting short-chain fatty acid accumulation in a BALB/c mouse model.

Journal of the science of food and agriculture , Volume: 104 Issue: 2 2024 Jan 30

Authors Chen C, Liu C, Mu K, Xue W

Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023

Authors Sheng W, Ji G, Zhang L

Bifidobacterium animalis subsp. lactis HN019 has antimicrobial activity against endodontic pathogens in vitro.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , 2023 Aug 26

Authors Araujo LDC, da Silva RAB, Silva CMPC, Salvador SLS, Messora MR, Furlaneto FAC, Mastrange MDA, Pucinelli CM, da Silva LAB

Relationship between Oat Consumption, Gut Microbiota Modulation, and Short-Chain Fatty Acid Synthesis: An Integrative Review.

Nutrients , Volume: 15 Issue: 16 2023 Aug 11

Authors Fabiano GA, Shinn LM, Antunes AEC

Probiotic containing Lactobacillus reuteri DSM 17648 as an adjunct treatment for Helicobacter pylori infection: A randomized, double-blind, placebo-controlled trial.

Helicobacter , Volume: 28 Issue: 6 2023 Dec

Authors Ismail NI, Nawawi KNM, Hsin DCC, Hao KW, Mahmood NRKN, Chearn GLC, Wong Z, Tamil AM, Joseph H, Raja Ali RA

Types of fiber and gut microbiota composition and diversity among arab females.

Saudi journal of biological sciences , Volume: 30 Issue: 9 2023 Sep

Authors Aljuraiban GS, Algabsani SS, Sabico S, AlShammari S, Aljazairy EA, Al-Musharaf S

Effects of dietary L-Citrulline supplementation on growth performance, meat quality, and fecal microbial composition in finishing pigs.

Frontiers in microbiology , Volume: 14 2023

Authors Du J,Gan M,Xie Z,Zhou C,Jing Y,Li M,Liu C,Wang M,Dai H,Huang Z,Chen L,Zhao Y,Niu L,Wang Y,Zhang S,Guo Z,Shen L,Zhu L

Effects of ketogenic diet on the classification and functional composition of intestinal flora in children with mitochondrial epilepsy.

Frontiers in neurology , Volume: 14 2023

Authors Wang J,Huang L,Li H,Chen G,Yang L,Wang D,Han H,Zheng G,Wang X,Liang J,He W,Fang F,Liao J,Sun D

Ketogenic diet ameliorates attention deficit hyperactivity disorder in rats via regulating gut microbiota.

PloS one , Volume: 18 Issue: 8 2023

Authors Liu Y,Yang C,Meng Y,Dang Y,Yang L

Protective Effect of Long-Term Fermented Soybeans with Abundant Bacillus subtilis on Glucose and Bone Metabolism and Memory Function in Ovariectomized Rats: Modulation of the Gut Microbiota.

Foods (Basel, Switzerland) , Volume: 12 Issue: 15 2023 Aug 4

Authors Yang HJ,Zhang T,Yue Y,Jeong SJ,Ryu MS,Wu X,Li C,Jeong DY,Park S

Supplementation of ginger root extract into broiler chicken diet: effects on growth performance and immunocompetence.

Poultry science , Volume: 102 Issue: 10 2023 Jul 11

Authors Dosu G,Obanla TO,Zhang S,Sang S,Adetunji AO,Fahrenheit AC,Ferket PR,Nagabhushanam K,Fasina YO

Association of cigarette smoking with risk of colorectal cancer subtypes classified by gut microbiota.

Tobacco induced diseases , Volume: 21 2023

Authors Cai JA,Zhang YZ,Yu ED,Ding WQ,Li ZS,Zhong L,Cai QC

The effects of time-restricted eating and Ramadan fasting on gut microbiota composition: a systematic review of human and animal studies.

Nutrition reviews , Volume: 82 Issue: 6 2024 May 10

Authors Pieczynska-Zajac JM,Malinowska A,Lagowska K,Leciejska N,Bajerska J

Liposomal Epigallocatechin-3-Gallate for the Treatment of Intestinal Dysbiosis in Children with Autism Spectrum Disorder: A Comprehensive Review.

Nutrients , Volume: 15 Issue: 14 2023 Jul 24

Authors de la Rubia Ortí JE,Moneti C,Serrano-Ballesteros P,Castellano G,Bayona-Babiloni R,Carriqui-Suárez AB,Motos-Muñoz M,Proaño B,Benlloch M

The Protective Effect of Broccoli Seed Extract against Lipopolysaccharide-Induced Acute Liver Injury via Gut Microbiota Modulation and Sulfuraphane Production in Mice.

Foods (Basel, Switzerland) , Volume: 12 Issue: 14 2023 Jul 21

Authors Mao B,Ren B,Wu J,Tang X,Zhang Q,Zhao J,Zhang L,Chen W,Cui S

Effect of an Enteroprotective Complementary Feed on Faecal Markers of Inflammation and Intestinal Microbiota Composition in Weaning Puppies.

Veterinary sciences , Volume: 10 Issue: 7 2023 Jul 3

Authors Meineri G,Cocolin L,Morelli G,Schievano C,Atuahene D,Ferrocino I

Saccharomyces boulardii protects against murine experimental colitis by reshaping the gut microbiome and its metabolic profile.

Frontiers in microbiology , Volume: 14 2023

Authors Gao H,Li Y,Xu J,Zuo X,Yue T,Xu H,Sun J,Wang M,Ye T,Yu Y,Yao Y

Inhibitory activity of Limosilactobacillus reuteri isolated from camel milk against Helicobacter pylori effects in human gastric epithelial cells.

Biotechnology and applied biochemistry , Volume: 70 Issue: 6 2023 Dec

Authors Nia FF,Ghasemi A,Saeidi J,Mohtashami M

The impact of aerobic exercise training on cognitive function and gut microbiota in methamphetamine-dependent individuals in the community.

Physiology & behavior , Volume: 270 2023 Oct 15

Authors Zhu Y,Zhu J,Song G

The anti-hyperlipidemic effect and underlying mechanisms of barley (Hordeum vulgare L.) grass polysaccharides in mice induced by a high-fat diet.

Food & function , 2023 Jul 14

Authors Yan JK,Chen TT,Li LQ,Liu F,Liu X,Li L

Influences of wheat bran fiber on growth performance, nutrient digestibility, and intestinal epithelium functions in Xiangcun pigs.

Heliyon , Volume: 9 Issue: 7 2023 Jul

Authors Liu J,Luo Y,Kong X,Yu B,Zheng P,Huang Z,Mao X,Yu J,Luo J,Yan H,He J

Bile Acids and Short-Chain Fatty Acids Are Modulated after Onion and Apple Consumption in Obese Zucker Rats.

Nutrients , Volume: 15 Issue: 13 2023 Jul 5

Authors Balderas C,de Ancos B,Sánchez-Moreno C

Short-Term Dietary Intervention with Whole Oats Protects from Antibiotic-Induced Dysbiosis.

Microbiology spectrum , Volume: 11 Issue: 4 2023 Aug 17

Authors Costa SK,Antosca K,Beekman CN,Peterson RL,Penumutthu S,Belenky P

Bacillus coagulans MZY531 alleviates intestinal mucosal injury in immunosuppressive mice via modulating intestinal barrier, inflammatory response, and gut microbiota.

Scientific reports , Volume: 13 Issue: 1 2023 Jul 10

Authors Zhao Z,Sun M,Cui X,Chen J,Liu C,Zhang X

The probiotic Lactobacillus casei Zhang-mediated correction of gut dysbiosis ameliorates peritoneal fibrosis by suppressing macrophage-related inflammation via the butyrate/PPAR- γ /NF- κ B pathway.

Food & function , Volume: 14 Issue: 15 2023 Jul 31

Authors Wu Z,Zuo X,Wang X,Shi M,Zhu H,Cao C,Liu X,Liang W,Yao Y,Wang L

Effects of whole-grain cereals on fecal microbiota and short-chain fatty acids in dogs: a comparison of rye, oats and wheat.

Scientific reports , Volume: 13 Issue: 1 2023 Jul 5

Authors Palmqvist H,Höglund K,Ringmark S,Lundh T,Dicksved J

Effects of Lactocaseibacillus casei (Lactobacillus casei) and Saccharomyces cerevisiae mixture on growth performance, hematological parameters, immunological responses, and intestinal microbiome in weaned pigs.

Frontiers in veterinary science , Volume: 10 2023

Authors Kim S,Kwak J,Song M,Cho J,Kim ES,Keum GB,Doo H,Pandey S,Cho JH,Ryu S,Kim S,Im YM,Kim HB

Goat and cow milk differ in altering the microbiota composition and neurotransmitter levels in insomnia mouse models.

Food & function , Volume: 14 Issue: 14 2023 Jul 17

Authors Mo L,Jing H,Du X,Zhao C,Lin Y,Li J,Wang H

Effect of Probiotic Yogurt Supplementation(Bifidobacterium animalis ssp. lactis BB-12) on Gut Microbiota of Female Taekwondo Athletes and Its Relationship with Exercise-Related Psychological Fatigue.

Microorganisms , Volume: 11 Issue: 6 2023 May 26

Authors Zhu J,Zhu Y,Song G

Phyto-Inhibitory and Antimicrobial Activity of Brown Propolis from Romania.

Antibiotics (Basel, Switzerland) , Volume: 12 Issue: 6 2023 Jun 5

Authors Vica ML,Glevitzky M,Heghedus-Mindru RC,Dumitrel GA,Heghedus-Mindru G,Popa M,Faur DM,Bălăci Ț,Teodoru CA

Probiotic modulation of gut microbiota by Bacillus coagulans MTCC 5856 in healthy subjects: A randomized, double-blind, placebo-control study.

Medicine , Volume: 102 Issue: 20 2023 May 19

Authors Majeed M,Nagabhushanam K,Mundkur L,Paulose S,Divakar H,Rao S,Arumugam S

Crosstalk between dietary pomegranate and gut microbiota: evidence of health benefits.

Critical reviews in food science and nutrition , 2023 Jun 19

Authors Yin Y,Martínez R,Zhang W,Estévez M

Effects of liposoluble components of highland barley spent grains on physiological indexes, intestinal microorganisms, and the liver transcriptome in mice fed a high-fat diet.

Food science & nutrition , Volume: 11 Issue: 6 2023 Jun

Authors Zhang J,Luo Y,Feng S,Sun W,Li S,Kong L

Effect of the β -glucan from Lentinus edodes on colitis-associated colorectal cancer and gut microbiota.

Carbohydrate polymers , Volume: 316 2023 Sep 15

Authors Liu N,Zou S,Xie C,Meng Y,Xu X

Targeted modification of gut microbiota and related metabolites via dietary fiber.

Carbohydrate polymers , Volume: 316 2023 Sep 15

Authors Nie Q,Sun Y,Li M,Zuo S,Chen C,Lin Q,Nie S

Characteristic Gut Bacteria in High Barley Consuming Japanese Individuals without Hypertension.

Microorganisms , Volume: 11 Issue: 5 2023 May 9

Authors Maruyama S,Matsuoka T,Hosomi K,Park J,Nishimura M,Murakami H,Konishi K,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Ooka T,Yamagata Z,Kunisawa J

Modulatory Effects of A1 Milk, A2 Milk, Soy, and Egg Proteins on Gut Microbiota and Fermentation.

Microorganisms , Volume: 11 Issue: 5 2023 May 3

Authors Nuomin,Baek R,Tsuruta T,Nishino N

In vitro simulated fecal fermentation of mixed grains on short-chain fatty acid generation and its metabolized mechanism.

Food research international (Ottawa, Ont.) , Volume: 170 2023 Aug

Authors Xu L,Yu Q,Ma L,Su T,Zhang D,Yao D,Li Z

[Effects of exercise and physical activity on gut microbiota composition and function in older adults: a systematic review.](#)

BMC geriatrics , Volume: 23 Issue: 1 2023 Jun 12

Authors Aya V,Jimenez P,Muñoz E,Ramírez JD

[Lactobacillus casei and Its Supplement Alleviate Stress-Induced Depression and Anxiety in Mice by the Regulation of BDNF Expression and NF- \$\kappa\$ B Activation.](#)

Nutrients , Volume: 15 Issue: 11 2023 May 26

Authors Ma X,Shin YJ,Park HS,Jeong JW,Kim JY,Shim JJ,Lee JL,Kim DH

[Regulation of Gut Microflora by Lactobacillus casei Zhang Attenuates Liver Injury in Mice Caused by Anti-Tuberculosis Drugs.](#)

International journal of molecular sciences , Volume: 24 Issue: 11 2023 May 29

Authors Li Y,Zhao L,Sun C,Yang J,Zhang X,Dou S,Hua Q,Ma A,Cai J

[Steamed broccoli sprouts alleviate DSS-induced inflammation and retain gut microbial biogeography in mice.](#)

bioRxiv : the preprint server for biology , 2023 May 23

Authors Holman JM,Colucci L,Baudewyns D,Balkan J,Hunt T,Hunt B,Kinney M,Holcomb L,Chen G,Moses PL,Mawe GM,Zhang T,Li Y,Ishaq SL

[Bacillus coagulans \(Weizmannia coagulans\) XY2 attenuates Cu-induced oxidative stress via DAF-16/FoxO and SKN-1/Nrf2 pathways and gut microbiota regulation.](#)

Journal of hazardous materials , Volume: 457 2023 Sep 5

Authors Gao Y,Yu T,Wu Y,Huang X,Teng J,Zhao N,Zheng X,Yan F

[Bacillus amyloliquefaciens alleviates the pathological injuries in mice infected with Schistosoma japonicum by modulating intestinal microbiome.](#)

Frontiers in cellular and infection microbiology , Volume: 13 2023

Authors Chen H,Sun R,Wang J,Yao S,Batool SS,Yu Z,Huang S,Huang J

[Bifidobacterium bifidum E3 Combined with Bifidobacterium longum subsp. infantis E4 Improves LPS-Induced Intestinal Injury by Inhibiting the TLR4/NF- \$\kappa\$ B and MAPK Signaling Pathways In Vivo.](#)

Journal of agricultural and food chemistry , Volume: 71 Issue: 23 2023 Jun 14

Authors Yue Y,Wang Y,Xie Q,Lv X,Zhou L,Smith EE,Cao T,Zhang Y,Li B,Huo G,Ma W

[Fungal \$\beta\$ -glucan-facilitated cross-feeding activities between Bacteroides and Bifidobacterium species.](#)

Communications biology , Volume: 6 Issue: 1 2023 May 30

Authors Fernandez-Julia P,Black GW,Cheung W,Van Sinderen D,Munoz-Munoz J

[Heat-Killed Bifidobacterium longum BBMN68 in Pasteurized Yogurt Alleviates Mugwort Pollen-Induced Allergic Airway Responses through Gut Microbiota Modulation in a Murine Model.](#)

Foods (Basel, Switzerland) , Volume: 12 Issue: 10 2023 May 19

Authors Niu X,Yin X,Wu X,Zhang Q,Jiang Y,He J,Zhao Y,Zhang C,Ren Y,Lai M,Sang Y,Wang R

[Dietary Fiber from Navel Orange Peel Prepared by Enzymatic and Ultrasound-Assisted Deep Eutectic Solvents: Physicochemical and Prebiotic Properties.](#)

Foods (Basel, Switzerland) , Volume: 12 Issue: 10 2023 May 16

Authors Zhou L,Luo J,Xie Q,Huang L,Shen D,Li G

[Dietary Lactobacillus reuteri SL001 Improves Growth Performance, Health-Related Parameters, Intestinal Morphology and Microbiota of Broiler Chickens.](#)

Animals : an open access journal from MDPI , Volume: 13 Issue: 10 2023 May 19

Authors Chai C,Guo Y,Mohamed T,Bumbie GZ,Wang Y,Zeng X,Zhao J,Du H,Tang Z,Xu Y,Sun W

[Comparison of the Effects of Enzymolysis Seaweed Powder and Saccharomyces boulardii on Intestinal Health and Microbiota Composition in Kittens.](#)

Metabolites , Volume: 13 Issue: 5 2023 May 8

Authors Zhang M,Mo R,Li M,Qu Y,Wang H,Liu T,Liu P,Wu Y

[Selenium-enriched Bifidobacterium longum DD98 relieves irritable bowel syndrome induced by chronic unpredictable mild stress in mice.](#)

Food & function , Volume: 14 Issue: 11 2023 Jun 6

Authors Jin X,Hu Y,Lin T,Gao F,Xu Z,Hou X,Yin Y,Kan S,Zhu H,Chen D

[Dietary Supplementation of Brevibacillus laterosporus S62-9 Improves Broiler Growth and Immunity by Regulating Cecal Microbiota and Metabolites.](#)

Probiotics and antimicrobial proteins , 2023 May 22

Authors Zhi T,Ma A,Liu X,Chen Z,Li S,Jia Y

[The improvement of intestinal dysbiosis and hepatic metabolic dysfunction in dextran sulfate sodium-induced colitis mice: effects of curcumin.](#)

Journal of gastroenterology and hepatology , Volume: 38 Issue: 8 2023 Aug

Authors Zhou F,Mai T,Wang Z,Zeng Z,Shi J,Zhang F,Kong N,Jiang H,Guo L,Xu M,Lin J

Ketogenic diet protects MPTP-induced mouse model of Parkinson's disease via altering gut microbiota and metabolites.

MedComm , Volume: 4 Issue: 3 2023 Jun

Authors Jiang Z,Wang X,Zhang H,Yin J,Zhao P,Yin Q,Wang Z

The Impact of Smoking on Microbiota: A Narrative Review.

Biomedicines , Volume: 11 Issue: 4 2023 Apr 10

Authors Cicchinelli S,Rosa F,Manca F,Zanza C,Ojetti V,Covino M,Candelli M,Gasbarrini A,Franceschi F,Piccioni A

Supplementation with inulin-type fructans affects gut microbiota and attenuates some of the cardiometabolic benefits of a plant-based diet in individuals with overweight or obesity.

Frontiers in nutrition , Volume: 10 2023

Authors Aldubayan MA,Mao X,Laursen MF,Pigsborg K,Christensen LH,Roager HM,Nielsen DS,Hjorth MF,Magkos F

Microencapsulation of Lactobacillus plantarum MBO01 and its probiotic effect on growth performance, cecal microbiome and gut integrity of broiler chickens in a tropical climate.

Animal bioscience , Volume: 36 Issue: 8 2023 Aug

Authors Vimom S,Angkanaporn K,Nuengjamnong C

Milk protects against sarcopenic obesity due to increase in the genus Akkermansia in faeces of db/db mice.

Journal of cachexia, sarcopenia and muscle , Volume: 14 Issue: 3 2023 Jun

Authors Okamura T,Hamaguchi M,Nakajima H,Kitagawa N,Majima S,Senmaru T,Okada H,Ushigome E,Nakanishi N,Sasano R,Fukui M

Cross-talks between gut microbiota and tobacco smoking: a two-sample Mendelian randomization study.

BMC medicine , Volume: 21 Issue: 1 2023 Apr 28

Authors Fan J,Zhou Y,Meng R,Tang J,Zhu J,Aldrich MC,Cox NJ,Zhu Y,Li Y,Zhou D

Prevention of High-Fat-Diet-Induced Dyslipidemia by Lactobacillus plantarum LP104 through Mediating Bile Acid Enterohepatic Axis Circulation and Intestinal Flora.

Journal of agricultural and food chemistry , Volume: 71 Issue: 19 2023 May 17

Authors Wang Y,Xing X,Ma Y,Fan Y,Zhang Y,Nan B,Li X,Wang Y,Liu J

Bacillus licheniformis reverses the environmental ceftriaxone sodium-induced gut microbial dysbiosis and intestinal inflammation in mice.

Ecotoxicology and environmental safety , Volume: 257 2023 Jun 1

Authors Zeng Z,Yue W,Kined C,Wang P,Liu R,Liu J,Chen X

Lactobacillus reuteri strain 8008 attenuated the aggravation of depressive-like behavior induced by CUMS in high-fat diet-fed mice through regulating the gut microbiota.

Frontiers in pharmacology , Volume: 14 2023

Authors Li C,Su Z,Chen Z,Cao J,Liu X,Xu F

Lactobacillus plantarum CCFM405 against Rotenone-Induced Parkinson's Disease Mice via Regulating Gut Microbiota and Branched-Chain Amino Acids Biosynthesis.

Nutrients , Volume: 15 Issue: 7 2023 Apr 1

Authors Chu C,Yu L,Li Y,Guo H,Zhai Q,Chen W,Tian F

Dried Fruits: Bioactives, Effects on Gut Microbiota, and Possible Health Benefits-An Update.

Nutrients , Volume: 15 Issue: 7 2023 Mar 26

Authors Alasalvar C,Chang SK,Kris-Etherton PM,Sullivan VK,Petersen KS,Guasch-Ferré M,Jenkins DJA

Alleviation of Alcoholic Fatty Liver by Dendrobium officinale Flower Extracts due to Regulation of Gut Microbiota and Short-Chain Fatty Acids in Mice Exposed to Chronic Alcohol.

Foods (Basel, Switzerland) , Volume: 12 Issue: 7 2023 Mar 28

Authors Zhang J,Fan J,Luo H,Liang Z,Guan Y,Lei X,Bo N,Zhao M

Neuroprotective Effects of Lactobacillus plantarum PS128 in a Mouse Model of Parkinson's Disease: The Role of Gut Microbiota and MicroRNAs.

International journal of molecular sciences , Volume: 24 Issue: 7 2023 Apr 5

Authors Lee YZ,Cheng SH,Chang MY,Lin YF,Wu CC,Tsai YC

Psychobiotic Lactobacillus plantarum JYLP-326 relieves anxiety, depression, and insomnia symptoms in test anxious college via modulating the gut microbiota and its metabolism.

Frontiers in immunology , Volume: 14 2023

Authors Zhu R,Fang Y,Li H,Liu Y,Wei J,Zhang S,Wang L,Fan R,Wang L,Li S,Chen T

Effects of an inulin fiber diet on the gut microbiome, colon, and inflammatory biomarkers in aged mice.

Experimental gerontology , Volume: 176 2023 Jun 1

Authors Hutchinson NT,Wang SS,Rund LA,Caetano-Silva ME,Allen JM,Johnson RW,Woods JA

Bifidobacterium longum Administration Diminishes Parasitemia and Inflammation During Plasmodium berghei Infection in Mice.

Journal of inflammation research , Volume: 16 2023

Authors Fitri LE,Sardjono TW,Winaris N,Pawestri AR,Endharti AT,Norahmawati E,Handayani D,Kurniawan SN,Azizah S,Alifia LI,Asiyah R,Ayuningtyas TR

Effects of Pomegranate Peel Polyphenols Combined with Inulin on Gut Microbiota and Serum Metabolites of High-Fat-Induced Obesity Rats.

Journal of agricultural and food chemistry , Volume: 71 Issue: 14 2023 Apr 12

Authors Shi H,Li X,Hou C,Chen L,Zhang Y,Li J

Exploring the Potential of Lactobacillus helveticus R0052 and Bifidobacterium longum R0175 as Promising Psychobiotics Using SHIME.

Nutrients , Volume: 15 Issue: 6 2023 Mar 21

Authors De Oliveira FL,Salgaço MK,de Oliveira MT,Mesa V,Sartoratto A,Peregrino AM,Ramos WS,Sivieri K

Improvement of Estrogen Deficiency Symptoms by the Intake of Long-Term Fermented Soybeans (Doenjang) Rich in Bacillus Species through Modulating Gut Microbiota in Estrogen-Deficient Rats.

Foods (Basel, Switzerland) , Volume: 12 Issue: 6 2023 Mar 8

Authors Zhang T,Yue Y,Jeong SJ,Ryu MS,Wu X,Yang HJ,Li C,Jeong DY,Park S

Lactobacillus plantarum ZJ316 alleviates ulcerative colitis by inhibiting inflammation and regulating short-chain fatty acid levels and the gut microbiota in a mouse model.

Food & function , Volume: 14 Issue: 9 2023 May 11

Authors Gu Q,Xia C,Liu N,Chen Z,Zhou Q,Li P

Ethanol extract of propolis regulates type 2 diabetes in mice via metabolism and gut microbiota.

Journal of ethnopharmacology , Volume: 310 2023 Jun 28

Authors Guan R,Ma N,Liu G,Wu Q,Su S,Wang J,Geng Y

Gut microbiota mediates the anti-obesity effect of intermittent fasting by inhibiting intestinal lipid absorption.

The Journal of nutritional biochemistry , Volume: 116 2023 Jun

Authors Yang H,Li C,Che M,Li Y,Feng R,Sun C

Effects of Lactiplantibacillus plantarum FBT215 and prebiotics on the gut microbiota structure of mice.

Food science and biotechnology , Volume: 32 Issue: 4 2023 Mar

Authors Lee MH,Kim J,Kim GH,Kim MS,Yoon SS

Effects of fermented soybean meal supplementation on the growth performance and apparent total tract digestibility by modulating the gut microbiome of weaned piglets.

Scientific reports , Volume: 13 Issue: 1 2023 Mar 6

Authors Muniyappan M,Shanmugam S,Park JH,Han K,Kim IH

Lactobacillus plantarum HF02 alleviates lipid accumulation and intestinal microbiota dysbiosis in high-fat diet-induced obese mice.

Journal of the science of food and agriculture , Volume: 103 Issue: 9 2023 Jul

Authors Chen H,Zhao H,Qi X,Sun Y,Ma Y,Li Q

Goji berry leaf exerts a comparable effect against colitis and microbiota dysbiosis to its fruit in dextran-sulfate-sodium-treated mice.

Food & function , Volume: 14 Issue: 7 2023 Apr 3

Authors Yu C,Chen Y,Ahmadi S,Wu D,Wu J,Ding T,Liu D,Ye X,Chen S,Pan H

Dietary Bacillus licheniformis shapes the foregut microbiota, improving nutrient digestibility and intestinal health in broiler chickens.

Frontiers in microbiology , Volume: 14 2023

Authors Han Y,Xu X,Wang J,Cai H,Li D,Zhang H,Yang P,Meng K

Lactobacillus plantarum-Derived Postbiotics Ameliorate Acute Alcohol-Induced Liver Injury by Protecting Cells from Oxidative Damage, Improving Lipid Metabolism, and Regulating Intestinal Microbiota.

Nutrients , Volume: 15 Issue: 4 2023 Feb 7

Authors Ye W,Chen Z,He Z,Gong H,Zhang J,Sun J,Yuan S,Deng J,Liu Y,Zeng A

The Probiotic Combination of Lactocaseibacillus paracasei JY062 and Lactobacillus gasseri JM1 Alleviates Gastrointestinal Motility Disorder via Improving Gut Microbiota.

Nutrients , Volume: 15 Issue: 4 2023 Feb 7

Authors Cheng S,Li H,Ding Y,Huo J,Zheng Y,Jiang Y,Zhang Y,Man C

Dietary Administration of Black Raspberries and Arsenic Exposure: Changes in the Gut Microbiota and Its Functional Metabolites.

Metabolites , Volume: 13 Issue: 2 2023 Jan 30

Authors Tu P,Tang Q,Mo Z,Niu H,Hu Y,Wu L,Chen Z,Wang X,Gao B

Antioxidant and Antimicrobial Properties of Hydrolysed Collagen Nanofibers Loaded with Ginger Essential Oil.

Materials (Basel, Switzerland) , Volume: 16 Issue: 4 2023 Feb 8

Authors Berechet MD,Gaidau C,Nešić A,Constantinescu RR,Simion D,Niculescu O,Steleescu MD,Sandulache I,Râpa M

Dietary Supplementation with Probiotic *Bacillus licheniformis* S6 Improves Intestinal Integrity via Modulating Intestinal Barrier Function and Microbial Diversity in Weaned Piglets.

Biology , Volume: 12 Issue: 2 2023 Feb 2

Authors Sun W,Chen W,Meng K,Cai L,Li G,Li X,Jiang X

Efficacy of incremental loads of cow's milk as a treatment for lactose malabsorption in Japan.

World journal of clinical cases , Volume: 11 Issue: 4 2023 Feb 6

Authors Hasegawa M,Okada K,Nagata S,Sugihara S

Effects of kiwi fruit (*Actinidia chinensis*) polysaccharides on metabolites and gut microbiota of acrylamide-induced mice.

Frontiers in nutrition , Volume: 10 2023

Authors Chen M,Chen X,Wang K,Cai L,Liu N,Zhou D,Jia W,Gong P,Liu N,Sun Y

Intestinal microbial composition changes induced by *Lactobacillus plantarum* GBL 16, 17 fermented feed and intestinal immune homeostasis regulation in pigs.

Journal of animal science and technology , Volume: 64 Issue: 6 2022 Nov

Authors Yu DY,Oh SH,Kim IS,Kim GI,Kim JA,Moon YS,Jang JC,Lee SS,Jung JH,Park J,Cho KK

Effects of β -glucan on *Salmonella enterica* serovar Typhimurium swine colonization and microbiota alterations.

Porcine health management , Volume: 9 Issue: 1 2023 Feb 14

Authors Bearson SMD,Trachsel JM,Bearson BL,Loving CL,Kerr BJ,Shippy DC,Kiros TG

Different gut microbiota in U.S. formula-fed infants consuming a meat vs. dairy-based complementary foods: A randomized controlled trial.

Frontiers in nutrition , Volume: 9 2022

Authors Tang M,Ma C,Weinheimer-Haus EM,Robertson CE,Kofonow JM,Berman LM,Waljee A,Zhu J,Frank DN,Krebs NF

The Dietary Fermentable Fiber Inulin Alters the Intestinal Microbiome and Improves Chronic Kidney Disease Mineral-Bone Disorder in a Rat Model of CKD.

bioRxiv : the preprint server for biology , 2023 Jan 31

Authors Biruete A,Chen NX,Metzger CE,Srinivasan S,Oâ Neill K,Fallen PB,Fonseca A,Wilson HE,de Looor H,Evenepoel P,Swanson KS,Allen MR,Moe SM

Taiwanese green propolis ameliorates metabolic syndrome via remodeling of white adipose tissue and modulation of gut microbiota in diet-induced obese mice.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 160 2023 Apr

Authors Chien YH,Yu YH,Chen YW

Microbiome Alterations in Alcohol Use Disorder and Alcoholic Liver Disease.

International journal of molecular sciences , Volume: 24 Issue: 3 2023 Jan 27

Authors Litwinowicz K,Gamian A

The Antimicrobial Activity of Curcumin and Xanthohumol on Bacterial Biofilms Developed over Dental Implant Surfaces.

International journal of molecular sciences , Volume: 24 Issue: 3 2023 Jan 25

Authors Alonso-Español A,Bravo E,Ribeiro-Vidal H,Virto L,Herrera D,Alonso B,Sanz M

Lactocaseibacillus casei T1 attenuates *Helicobacter pylori*-induced inflammation and gut microbiota disorders in mice.

BMC microbiology , Volume: 23 Issue: 1 2023 Feb 11

Authors Yu Z,Cao M,Peng J,Wu D,Li S,Wu C,Qing L,Zhang A,Wang W,Huang M,Zhao J

Inulin supplementation prior to mild traumatic brain injury mitigates gut dysbiosis, and brain vascular and white matter deficits in mice.

Frontiers in microbiomes , Volume: 1 2022

Authors Yanckello LM,Chang YH,Sun M,Chlipala G,Green SJ,Lei Z,Ericsson AC,Xing X,Hammond TC,Bachstetter AD,Lin AL

Oligofructose, 2'fucosyllactose and β -glucan in combination induce specific changes in microbial composition and short-chain fatty acid production compared to sole supplementation.

Journal of applied microbiology , Volume: 134 Issue: 2 2023 Feb 16

Authors Jackson PPJ,Wijeyesekera A,van Harsseelaar J,Theis S,Rastall RA

A diet enriched in omega-3 PUFA and inulin prevents type 1 diabetes by restoring gut barrier integrity and immune homeostasis in NOD mice.

Frontiers in immunology , Volume: 13 2022

Authors Lo Conte M,Antonini Cencicchio M,Ulaszewska M,Nobili A,Cosorich I,Ferrarese R,Massimino L,Andolfo A,Ungaro F,Mancini N,Falcone M

A Novel Approach Based on Gut Microbiota Analysis and Network Pharmacology to Explain the Mechanisms of Action of *Cichorium intybus* L. Formula in the Improvement of Hyperuricemic Nephropathy in Rats.

Drug design, development and therapy , Volume: 17 2023

Authors Amatjan M,Li N,He P,Zhang B,Mai X,Jiang Q,Xie H,Shao X

Comparative study between two different morphological structures based on polylactic acid, nanocellulose and magnetite for co-delivery of fluorouracil and curcumin.

International journal of biological macromolecules , Volume: 230 2023 Mar 1

Authors Bakr EA,Gaber M,Saad DR,Salahuddin N

[Lactobacillus plantarum ZJUIDS14 alleviates non-alcoholic fatty liver disease in mice in association with modulation in the gut microbiota.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Cao F,Ding Q,Zhuge H,Lai S,Chang K,Le C,Yang G,Valencak TG,Li S,Ren D

[Amelioration of cognitive impairment using epigallocatechin-3-gallate in ovariectomized mice fed a high-fat diet involves remodeling with Prevotella and Bifidobacteriales.](#)

Frontiers in pharmacology , Volume: 13 2022

Authors Qu Y,Wu Y,Cheng W,Wang D,Zeng L,Wang Y,Li T,Zhang L,Yang J,Sun L,Ai J

[Effects of dietary supplementation with dandelion tannins or soybean isoflavones on growth performance, antioxidant function, intestinal morphology, and microbiota composition in Wenchang chickens.](#)

Frontiers in veterinary science , Volume: 9 2022

Authors Li X,Sun R,Liu Q,Gong Y,Ou Y,Qi Q,Xie Y,Wang X,Hu C,Jiang S,Zhao G,Wei L

[Red and White Meat Intake in Relation to Gut Flora in Obese and Non-Obese Arab Females.](#)

Foods (Basel, Switzerland) , Volume: 12 Issue: 2 2023 Jan 5

Authors Almajed J,Al-Musharaf S,Abudawood M,Sabico S,Aljazairy EA,Aljuraiban GS

[Camellia oil \(Camellia oleifera Abel.\) treatment improves high-fat diet-induced atherosclerosis in apolipoprotein E \(ApoE\)\(-/-\) mice.](#)

Bioscience of microbiota, food and health , Volume: 42 Issue: 1 2023

Authors Huang T,Jiang J,Cao Y,Huang J,Zhang F,Cui G

[Modulatory Effect of Fermented Black Soybean and Adlay on Gut Microbiota Contributes to Healthy Aging.](#)

Molecular nutrition & food research , Volume: 67 Issue: 5 2023 Mar

Authors Koh YC,Kuo LH,Chang YY,Tung YC,Lo YC,Pan MH

[Modified cereal bran \(MCB\) from finger millet, kodo millet, and rice bran prevents high-fat diet-induced metabolic derangements.](#)

Food & function , Volume: 14 Issue: 3 2023 Feb 6

Authors Devi K,Kumar V,Kumar V,Mahajan N,Kaur J,Sharma S,Kumar A,Khan R,Bishnoi M,Kondepudi KK

[The high dose of inulin exacerbated food allergy through the excess accumulation of short-chain fatty acids in a BABL/c mouse model.](#)

International journal of biological macromolecules , Volume: 230 2023 Mar 1

Authors Xie Q,Mu K,Chen C,Gu S,Luo D,Fu W,Xue W

[Bacillus amyloliquefaciens 40 regulates piglet performance, antioxidant capacity, immune status and gut microbiota.](#)

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 12 2023 Mar

Authors Jiang Z,Su W,Li W,Wen C,Du S,He H,Zhang Y,Gong T,Wang X,Wang Y,Jin M,Lu Z

[Impact of Saccharomyces boulardii CNCM I-745 on Bacterial Overgrowth and Composition of Intestinal Microbiota in Diarrhea-Predominant Irritable Bowel Syndrome Patients: Results of a Randomized Pilot Study.](#)

Digestive diseases (Basel, Switzerland) , Volume: 41 Issue: 5 2023

Authors Bustos Fernández LM,Man F,Lasa JS

[β-glucan protects against necrotizing enterocolitis in mice by inhibiting intestinal inflammation, improving the gut barrier, and modulating gut microbiota.](#)

Journal of translational medicine , Volume: 21 Issue: 1 2023 Jan 10

Authors Zhang X,Zhang Y,He Y,Zhu X,Ai Q,Shi Y

[Characterization of the Cafeteria Diet as Simulation of the Human Western Diet and Its Impact on the Lipidomic Profile and Gut Microbiota in Obese Rats.](#)

Nutrients , Volume: 15 Issue: 1 2022 Dec 24

Authors de la Garza AL,Martínez-Tamez AM,Mellado-Negrete A,Arjonilla-Becerra S,Peña-Vázquez GI,Marín-Obispo LM,Hernández-Brenes C

[Probiotic Bifidobacterium longum BB68S Improves Cognitive Functions in Healthy Older Adults: A Randomized, Double-Blind, Placebo-Controlled Trial.](#)

Nutrients , Volume: 15 Issue: 1 2022 Dec 22

Authors Shi S,Zhang Q,Sang Y,Ge S,Wang Q,Wang R,He J

[Fecal microbiota composition affects in vitro fermentation of rye, oat, and wheat bread.](#)

Scientific reports , Volume: 13 Issue: 1 2023 Jan 3

Authors Pirkola L,Dicksved J,Loponen J,Marklinder I,Andersson R

[Inulin intervention attenuates hepatic steatosis in rats via modulating gut microbiota and maintaining intestinal barrier function.](#)

Food research international (Ottawa, Ont.) , Volume: 163 2023 Jan

Authors Yang Z,Su H,Lv Y,Tao H,Jiang Y,Ni Z,Peng L,Chen X

Enhanced antimicrobial and antioxidant capacity of Thymus vulgaris, Lippia sidoides, and Cymbopogon citratus emulsions when combined with mannosylerythritol a lipid biosurfactant.

Food research international (Ottawa, Ont.) , Volume: 163 2023 Jan

Authors Zanutto AW,Kanemaru MYS,de Souza FG,Duarte MCT,de Andrade CJ,Pastore GM

Diet-rich in wheat bran modulates tryptophan metabolism and AhR/IL-22 signalling mediated metabolic health and gut dysbacteriosis: A novel prebiotic-like activity of wheat bran.

Food research international (Ottawa, Ont.) , Volume: 163 2023 Jan

Authors Yan T,Shi L,Liu T,Zhang X,Yang M,Peng W,Sun X,Yan L,Dai X,Yang X

Thyme (Thymus vulgaris L.) polyphenols ameliorate DSS-induced ulcerative colitis of mice by mitigating intestinal barrier damage, regulating gut microbiota, and suppressing TLR4/NF- κ B-NLRP3 inflammasome pathways.

Food & function , Volume: 14 Issue: 2 2023 Jan 23

Authors Zhou Z,He W,Tian H,Zhan P,Liu J

Bifidobacterium animalis subsp. lactis BL-99 ameliorates colitis-related lung injury in mice by modulating short-chain fatty acid production and inflammatory monocytes/macrophages.

Food & function , Volume: 14 Issue: 2 2023 Jan 23

Authors Nan X,Zhao W,Liu WH,Li Y,Li N,Hong Y,Cui J,Shang X,Feng H,Hung WL,Peng G

Modulating gut microbiota and metabolites with dietary fiber oat β -glucan interventions to improve growth performance and intestinal function in weaned rabbits.

Frontiers in microbiology , Volume: 13 2022

Authors Ma L,Luo Z,Huang Y,Li Y,Guan J,Zhou T,Du Z,Yong K,Yao X,Shen L,Yu S,Zhong Z,Hu Y,Peng G,Shi X,Cao S

The administration of Enterococcus faecium SF68 counteracts compositional shifts in the gut microbiota of diet-induced obese mice.

Frontiers in microbiology , Volume: 13 2022

Authors Panattoni A,Calvigioni M,Benvenuti L,D'Antongiovanni V,Pellegrini C,Di Salvo C,Mazzantini D,Celandroni F,Fornai M,Antonioioli L,Ghelardi E

Quercetin alleviates intestinal inflammation and improves intestinal functions via modulating gut microbiota composition in LPS-challenged laying hens.

Poultry science , Volume: 102 Issue: 3 2023 Mar

Authors Feng J,Li Z,Ma H,Yue Y,Hao K,Li J,Xiang Y,Min Y

Effects of a Saccharomyces cerevisiae fermentation product on fecal characteristics, metabolite concentrations, and microbiota populations of dogs subjected to exercise challenge.

Journal of animal science , 2022 Dec 27

Authors Oba PM,Carroll MQ,Sieja KM,Nogueira JPS,Yang X,Epp TY,Warzecha CM,Varney JL,Fowler JW,Coon CN,Swanson KS

Exercise effect on the gut microbiota in young adolescents with subthreshold depression: A randomized psychoeducation-controlled Trial.

Psychiatry research , Volume: 319 2023 Jan

Authors Wang R,Cai Y,Lu W,Zhang R,Shao R,Yau SY,Stubbs B,McIntyre RS,Su KP,Xu G,Qi L,So KF,Lin K

Differential reinforcement of intestinal barrier function by various Lactobacillus reuteri strains in mice with DSS-induced acute colitis.

Life sciences , Volume: 314 2023 Feb 1

Authors Lin C,Zheng Y,Lu J,Zhang H,Wang G,Chen W

Intermittent Fasting Alleviates Risk Markers in a Murine Model of Ulcerative Colitis by Modulating the Gut Microbiome and Metabolome.

Nutrients , Volume: 14 Issue: 24 2022 Dec 14

Authors Wu J,Man D,Shi D,Wu W,Wang S,Wang K,Li Y,Yang L,Bian X,Wang Q,Li L

Dietary Supplementation with Black Raspberries Altered the Gut Microbiome Composition in a Mouse Model of Colitis-Associated Colorectal Cancer, although with Differing Effects for a Healthy versus a Western Basal Diet.

Nutrients , Volume: 14 Issue: 24 2022 Dec 10

Authors Rodríguez DM,Hintze KI,Rompato G,Wettere AJV,Ward RE,Phatak S,Neal C,Armbrust T,Stewart EC,Thomas AJ,Benninghoff AD

Influence of Dietary Inulin on Fecal Microbiota, Cardiometabolic Risk Factors, Eicosanoids, and Oxidative Stress in Rats Fed a High-Fat Diet.

Foods (Basel, Switzerland) , Volume: 11 Issue: 24 2022 Dec 16

Authors Miralles-Pérez B,Nogués MR,Sánchez-Martos V,Fortuño-Mar À,Ramos-Romero S,Torres JL,Ponomarenko J,Amézqueta S,Zhang X,Romeu M

Simulated Digestion and Fermentation In Vitro by Obese Human Gut Microbiota of Sulfuraphane from Broccoli Seeds.

Foods (Basel, Switzerland) , Volume: 11 Issue: 24 2022 Dec 12

Authors Sun Y,Tang Z,Hao T,Qiu Z,Zhang B

Intake of slow-digesting carbohydrates is related to changes in the microbiome and its functional pathways in growing rats with obesity induced by diet.

Frontiers in nutrition , Volume: 9 2022

Authors Plaza-Díaz J,Manzano M,Ruiz-Ojeda FJ,Giron MD,Salto R,López-Pedrosa JM,Santos-Fandila A,García-Corcoles MT,Rueda R,Gil Á

Effects of Polyphenols and Glucosinolates in Broccoli Extract on Human Gut Microorganisms Based on Simulation In Vitro.

ACS omega , Volume: 7 Issue: 49 2022 Dec 13

Authors Zhang Y,Jiang C,Huang S,Sun J,Song X,Nishanbaev SZ,Benito MJ,Wu Y

Effects of highland barley β -glucan on blood glucose and gut microbiota in streptozotocin-induced, diabetic, C57BL/6 mice on a high-fat diet.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 107 2023 Mar

Authors Zang Y,Liu J,Zhai A,Wu K,Chuang Y,Ge Y,Wang C

Empire Apple (Malus domestica) Juice, Pomace, and Pulp Modulate Intestinal Functionality, Morphology, and Bacterial Populations In Vivo (Gallus gallus).

Nutrients , Volume: 14 Issue: 23 2022 Nov 22

Authors Jackson C,Shukla V,Kolba N,Agarwal N,Padilla-Zakour OI,Tako E

Broccoli seed extract rich in polysaccharides and glucoraphanin ameliorates DSS-induced colitis via intestinal barrier protection and gut microbiota modulation in mice.

Journal of the science of food and agriculture , Volume: 103 Issue: 4 2023 Mar 15

Authors Wu J,Guo W,Cui S,Tang X,Zhang Q,Lu W,Jin Y,Zhao J,Mao B,Chen W

Wolfberry enhanced the abundance of Akkermansia muciniphila by YAP1 in mice with acetaminophen-induced liver injury.

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 37 Issue: 1 2023 Jan

Authors Liu Y,Xue Y,Zhang Z,ji J,Li C,Zheng K,Lu J,Gao Y,Gong Y,Zhang Y,Shi X

Curcumin Regulates Gut Microbiota and Exerts a Neuroprotective Effect in the MPTP Model of Parkinson's Disease.

Evidence-based complementary and alternative medicine : eCAM , Volume: 2022 2022

Authors Zhu H,Zhang H,Hou B,Xu B,ji L,Wu Y

Lactobacillus reuteri improves the development and maturation of fecal microbiota in piglets through mother-to-infant microbe and metabolite vertical transmission.

Microbiome , Volume: 10 Issue: 1 2022 Dec 2

Authors Wang G,Wang X,Ma Y,Cai S,Yang L,Fan Y,Zeng X,Qiao S

Polysaccharides from red kidney bean alleviating hyperglycemia and hyperlipidemia in type 2 diabetic rats via gut microbiota and lipid metabolic modulation.

Food chemistry , Volume: 404 Issue: Pt A 2023 Mar 15

Authors Bai Z,Huang X,Wu G,Ye H,Huang W,Nie Q,Chen H,Yin J,Chen Y,Nie S

Tea polyphenol and epigallocatechin gallate ameliorate hyperlipidemia via regulating liver metabolism and remodeling gut microbiota.

Food chemistry , Volume: 404 Issue: Pt A 2023 Mar 15

Authors Wen JJ,Li MZ,Chen CH,Hong T,Yang JR,Huang XJ,Geng F,Hu JL,Nie SP

The effects of Saccharomyces boulardii on rat colonic hypermotility induced by repeated water avoidance stress and the potential mechanism.

PeerJ , Volume: 10 2022

Authors Liu J,Ren H,Yuan F,Shao M,Luo H

β -Glucan alleviates mice with ulcerative colitis through interactions between gut microbes and amino acids metabolism.

Journal of the science of food and agriculture , Volume: 103 Issue: 8 2023 Jun

Authors Liu C,Sun C,Cheng Y

Assessment of the Gut Microbiota during Juice Fasting with and without Inulin Supplementation: A Feasibility Study in Healthy Volunteers.

Foods (Basel, Switzerland) , Volume: 11 Issue: 22 2022 Nov 16

Authors Thriene K,Stanislas V,Amend L,Strowig T,Michels KB

The Effects of Dietary Bacillus amyloliquefaciens TL106 Supplementation, as an Alternative to Antibiotics, on Growth Performance, Intestinal Immunity, Epithelial Barrier Integrity, and Intestinal Microbiota in Broilers.

Animals : an open access journal from MDPI , Volume: 12 Issue: 22 2022 Nov 9

Authors Bao C,Zhang W,Wang J,Liu Y,Cao H,Li F,Liu S,Shang Z,Cao Y,Dong B

Enterococcus faecium GEFA01 alleviates hypercholesterolemia by promoting reverse cholesterol transportation via modulating the gut microbiota-SCFA axis.

Frontiers in nutrition , Volume: 9 2022

Authors Xu W,Zou K,Zhan Y,Cai Y,Zhang Z,Tao X,Qiu L,Wei H

Lactocaseibacillus casei ATCC334 Ameliorates Radiation-Induced Intestinal Injury in Rats by Targeting Microbes and Metabolites.

Molecular nutrition & food research , Volume: 67 Issue: 1 2023 Jan

Authors Hua Q,Zhang H,Xu R,Tian C,Gao T,Yuan Y,Han Y,Li Y,Qi C,Zhong F,Ma A

Response of gut microbiota and ileal transcriptome to inulin intervention in HFD induced obese mice.

International journal of biological macromolecules , Volume: 225 2023 Jan 15

Authors Zhang H,Zhang Y,Mu T,Cao J,Liu X,Yang X,Ren D,Zhao K

Bacillus amyloliquefaciens SC06 in the diet improves egg quality of hens by altering intestinal microbiota and the effect is diminished by antimicrobial peptide.

Frontiers in nutrition , Volume: 9 2022

Authors Xu S,Wang F,Zou P,Li X,Jin Q,Wang Q,Wang B,Zhou Y,Tang L,Yu D,Li W

Exploratory analysis of one versus two-day intermittent fasting protocols on the gut microbiome and plasma metabolome in adults with overweight/obesity.

Frontiers in nutrition , Volume: 9 2022

Authors Mohr AE,Jasbi P,Bowes DA,Dirks B,Whisner CM,Arciero KM,Poe M,Gu H,Gumpricht E,Sweazea KL,Arciero PJ

Lactobacillus rhamnosus GG protects against atherosclerosis by improving ketone body synthesis.

Applied microbiology and biotechnology , Volume: 106 Issue: 24 2022 Dec

Authors Zhai T,Ren W,Wang P,Zheng L

Diets enriched with finely ground wheat bran alter digesta passage rate and composition of the gut microbiome in sows.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 12 2023 Mar

Authors Wang Z,Wang W,Xu S,Ding J,Zeng X,Liu H,Wang F

Amination Potentially Augments the Ameliorative Effect of Curcumin on Inhibition of the IL-6/Stat3/c-Myc Pathway and Gut Microbial Modulation in Colitis-Associated Tumorigenesis.

Journal of agricultural and food chemistry , Volume: 70 Issue: 46 2022 Nov 23

Authors Koh YC,Tsai YW,Lee PS,Nagabhushanam K,Ho CT,Pan MH

Plant-Derived Lactobacillus paracasei UH-SONE68 Improves the Gut Microbiota Associated with Hepatic Disorders: A Randomized, Double-Blind, and Placebo-Controlled Clinical Trial.

Nutrients , Volume: 14 Issue: 21 2022 Oct 26

Authors Danshiitsoodol N,Noda M,Kanno K,Uchida T,Sugiyama M

Postbiotics Prepared Using Lactobacillus paracasei CCFM1224 Prevent Nonalcoholic Fatty Liver Disease by Modulating the Gut Microbiota and Liver Metabolism.

International journal of molecular sciences , Volume: 23 Issue: 21 2022 Nov 4

Authors Pan Z,Mao B,Zhang Q,Tang X,Yang B,Zhao J,Cui S,Zhang H

Explainable Artificial Intelligence in the Early Diagnosis of Gastrointestinal Disease.

Diagnostics (Basel, Switzerland) , Volume: 12 Issue: 11 2022 Nov 9

Authors Lee KS,Kim ES

Dynamics of Gut Microbiota and Clinical Variables after Ketogenic and Mediterranean Diets in Drug-Naïve Patients with Type 2 Diabetes Mellitus and Obesity.

Metabolites , Volume: 12 Issue: 11 2022 Nov 10

Authors Deledda A,Palmas V,Heidrich V,Fosci M,Lombardo M,Cambarau G,Lai A,Melis M,Loi E,Loviselli A,Manzin A,Velluzzi F

Effects of Proteases from Pineapple and Papaya on Protein Digestive Capacity and Gut Microbiota in Healthy C57BL/6 Mice and Dose-Manner Response on Mucosal Permeability in Human Reconstructed Intestinal 3D Tissue Model.

Metabolites , Volume: 12 Issue: 11 2022 Oct 26

Authors Kostiuhenko O,Kravchenko N,Markus J,Burleigh S,Fedkiv O,Cao L,Letasiova S,Skibo G,Fåk Hållenius F,Prykhodko O

Structural Insights into Amelioration Effects of Quercetin and Its Glycoside Derivatives on NAFLD in Mice by Modulating the Gut Microbiota and Host Metabolism.

Journal of agricultural and food chemistry , Volume: 70 Issue: 46 2022 Nov 23

Authors Shi Z,Zhang C,Lei H,Chen C,Cao Z,Song Y,Chen G,Wu F,Zhou J,Lu Y,Zhang L

Gut microbiome and metabolome analyses reveal the protective effect of special high-docosahexaenoic acid tuna oil on d-galactose-induced aging in mice.

Food science & nutrition , Volume: 10 Issue: 11 2022 Nov

Authors Zhang J,Yi C,Han J,Ming T,Zhou J,Lu C,Li Y,Su X

Co-fermented yellow wine lees by Bacillus subtilis and Enterococcus faecium regulates growth performance and gut microbiota in finishing pigs.

Frontiers in microbiology , Volume: 13 2022

Authors Zhang Y,Wang C,Su W,Jiang Z,He H,Gong T,Kai L,Xu H,Wang Y,Lu Z

Pear pomace soluble dietary fiber ameliorates the negative effects of high-fat diet in mice by regulating the gut microbiota

and associated metabolites.

Frontiers in nutrition , Volume: 9 2022

Authors Ji Y,Mao K,Gao J,Chitrakar B,Sadiq FA,Wang Z,Wu J,Xu C,Sang Y

Cedrol from ginger alleviates rheumatoid arthritis through dynamic regulation of intestinal microenvironment.

Food & function , Volume: 13 Issue: 22 2022 Nov 14

Authors Zhang Y,Liu Y,Peng F,Wei X,Hao H,Li W,Zhao Y

Curcumin alleviates LPS-induced intestinal homeostatic imbalance through reshaping gut microbiota structure and regulating group 3 innate lymphoid cells in chickens.

Food & function , Volume: 13 Issue: 22 2022 Nov 14

Authors Ruan D,Wu S,Fouad AM,Zhu Y,Huang W,Chen Z,Gou Z,Wang Y,Han Y,Yan S,Zheng C,Jiang S

Bifidobacterium animalis Promotes the Growth of Weaning Piglets by Improving Intestinal Development, Enhancing Antioxidant Capacity, and Modulating Gut Microbiota.

Applied and environmental microbiology , Volume: 88 Issue: 22 2022 Nov 22

Authors Pang J,Liu Y,Kang L,Ye H,Zang J,Wang J,Han D

[A prospective randomized comparative study of the efficacy and safety of a two-week bismuth-based quadrotherapy of Helicobacter pylori infection with the inclusion of the probiotic containing Bifidobacterium longum BB-46 and Enterococcus faecium ENCfa-68].

Terapevticheskii arkhiv , Volume: 93 Issue: 8 2021 Aug 15

Authors Yakovenko EP,Strokovaya TV,Iakovenko AV,Ivanov AN,Soluyanov IP,Vasilyev NN

Baseline gut microbial profiles are associated with the efficacy of Bacillus subtilis and Enterococcus faecium in IBS-D.

Scandinavian journal of gastroenterology , Volume: 58 Issue: 4 2023 Apr

Authors Hong G,Li Y,Yang M,Li G,Jin Y,Xiong H,Qian W,Hou X

Effect of fruit intake on functional constipation: A systematic review and meta-analysis of randomized and crossover studies.

Frontiers in nutrition , Volume: 9 2022

Authors Huo J,Wu L,Lv J,Cao H,Gao Q

Lactobacillus delbrueckii might lower serum triglyceride levels via colonic microbiota modulation and SCFA-mediated fat metabolism in parenteral tissues of growing-finishing pigs.

Frontiers in veterinary science , Volume: 9 2022

Authors Hou G,Yin J,Wei L,Li R,Peng W,Yuan Y,Huang X,Yin Y

Bovine milk with variant β -casein types on immunological mediated intestinal changes and gut health of mice.

Frontiers in nutrition , Volume: 9 2022

Authors Liu B,Qiao W,Zhang M,Liu Y,Zhao J,Chen L

Curcumin encapsulation in self-assembled nanoparticles based on amphiphilic palmitic acid-grafted-quaternized chitosan with enhanced cytotoxic, antimicrobial and antioxidant properties.

International journal of biological macromolecules , Volume: 222 Issue: Pt B 2022 Dec 1

Authors Xie Y,Gong X,Jin Z,Xu W,Zhao K

Treadmill Exercise Modulates Intestinal Microbes and Suppresses LPS Displacement to Alleviate Neuroinflammation in the Brains of APP/PS1 Mice.

Nutrients , Volume: 14 Issue: 19 2022 Oct 5

Authors Yuan S,Yang J,Jian Y,Lei Y,Yao S,Hu Z,Liu X,Tang C,Liu W

The polysaccharides from the fruits of Lycium barbarum L. modify the gut community profile and alleviate dextran sulfate sodium-induced colitis in mice.

International journal of biological macromolecules , Volume: 222 Issue: Pt B 2022 Dec 1

Authors Zhou W,Kan X,Chen G,Sun Y,Ran L,Yan Y,Mi J,Lu L,Zeng X,Cao Y

Dietary supplementation with low and high polymerization inulin ameliorates adipose tissue inflammation via the TLR4/NF- κ B pathway mediated by gut microbiota disturbance in obese dogs.

Research in veterinary science , Volume: 152 2022 Dec 20

Authors Lu J,Zhu D,Lu J,Liu J,Wu Z,Liu L

A red wine intervention does not modify plasma trimethylamine N-oxide but is associated with broad shifts in the plasma metabolome and gut microbiota composition.

The American journal of clinical nutrition , Volume: 116 Issue: 6 2022 Dec 19

Authors Haas EA,Saad MJA,Santos A,Vitolo N,Lemos WJF,Martins AMA,Picossi CRC,Favarato D,Gaspar RS,Magro DO,Libby P,Laurindo FRM,Da Luz PL,WineFlora Study

Role of a probiotic strain in the modulation of gut microbiota and cytokines in inflammatory bowel disease.

Anaerobe , Volume: 78 2022 Dec

Authors Barnola VD,Dubey D,Samanta P,Kedia S,Ahuja V,Madempudi RS,Neelamraju J,Chaudhry R

Swimming exercise ameliorates depressive-like behavior by anti-inflammation activity, rebalancing gut Escherichia coli and Lactobacilli.

Brain research , Volume: 1797 2022 Dec 15

Authors Ding Z,Du L

Resveratrol modulates the gut microbiota of cholestasis in pregnant rats.

Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 73 Issue: 2 2022 Apr

Authors Li Z,Lei L,Ling L,Liu Y,Xiong Z,Shao Y

Synbiotic microencapsulation of Enterococcus faecium Rp1: a potential probiotic isolated from ragi porridge with antiproliferative property against colon carcinoma cell line.

Journal of food science and technology , Volume: 59 Issue: 10 2022 Oct

Authors Ashwanandhini G,Reshma R,Preetha R

Brazilian green propolis improves gut microbiota dysbiosis and protects against sarcopenic obesity.

Journal of cachexia, sarcopenia and muscle , Volume: 13 Issue: 6 2022 Dec

Authors Okamura T,Hamaguchi M,Bamba R,Nakajima H,Yoshimura Y,Kimura T,Hashimoto Y,Majima S,Senmaru T,Ushigome E,Nakanishi N,Asano M,Yamazaki M,Nishimoto Y,Yamada T,Fujikura C,Asama T,Okumura N,Takakuwa H,Sasano R,Fukui M

Supplemental Clostridium butyricum MIYAIRI 588 Affects Intestinal Bacterial Composition of Finishing Pigs.

Microbes and environments , Volume: 37 Issue: 3 2022

Authors Hirata M,Matsuoka M,Hashimoto T,Oura T,Ohnuki Y,Yoshida C,Minemura A,Miura D,Oka K,Takahashi M,Morimatsu F

Antibacterial and Anti-Inflammatory Activities of Thymus vulgaris Essential Oil Nanoemulsion on Acne Vulgaris.

Microorganisms , Volume: 10 Issue: 9 2022 Sep 19

Authors Abdelhamed FM,Abdeltawab NF,ElRakaiby MT,Shamma RN,Moneib NA

Lactobacillus plantarum ST-III modulates abnormal behavior and gut microbiota in a mouse model of autism spectrum disorder.

Physiology & behavior , Volume: 257 2022 Dec 1

Authors Guo M,Li R,Wang Y,Ma S,Zhang Y,Li S,Zhang H,Liu Z,You C,Zheng H

Synthesis, spectroscopic characterization, density functional theory study, antimicrobial and antioxidant activities of curcumin and alanine-curcumin Schiff base.

Journal of biomolecular structure & dynamics , Volume: 41 Issue: 16 2023 Sep-Oct

Authors Layaida H,Hellal A,Chafai N,Haddadi I,Imene K,Anis B,Mouna E,Bensouici C,Sobhi W,Attoui A,Lilia A

Gut Microbes Are Associated with the Vascular Beneficial Effects of Dietary Strawberry on Metabolic Syndrome-Induced Vascular Inflammation.

Molecular nutrition & food research , Volume: 66 Issue: 22 2022 Nov

Authors Miller JC,Satheesh Babu AK,Petersen C,Wankhade UD,Robeson MS 2nd,Putich MN,Mueller JE,O'Farrell AS,Cho JM,Chintapalli SV,Jalili T,Symons JD,Anandh Babu PV

Effect of aqueous and organic solvent extraction on in-vitro antimicrobial activity of two varieties of fresh ginger (Zingiber officinale) and garlic (Allium sativum).

Heliyon , Volume: 8 Issue: 9 2022 Sep

Authors Akullo JO,Kiagi B,Nakimbugwe D,Kinyuru J

Quercetin positively affects gene expression profiles and metabolic pathway of antibiotic-treated mouse gut microbiota.

Frontiers in microbiology , Volume: 13 2022

Authors Mi W,Hu Z,Xu L,Bian X,Lian W,Yin S,Zhao S,Gao W,Guo C,Shi T

Intermittent fasting positively modulates human gut microbial diversity and ameliorates blood lipid profile.

Frontiers in microbiology , Volume: 13 2022

Authors Khan MN,Khan SI,Rana MI,Ayyaz A,Khan MY,Imran M

Intermittent fasting positively modulates human gut microbial diversity and ameliorates blood lipid profile.

Frontiers in microbiology , Volume: 13 2022

Authors Khan MN,Khan SI,Rana MI,Ayyaz A,Khan MY,Imran M

Comparing the Effects of Concord Grape (Vitis labrusca L.) Puree, Juice, and Pomace on Intestinal Morphology, Functionality, and Bacterial Populations In Vivo (Gallus gallus).

Nutrients , Volume: 14 Issue: 17 2022 Aug 27

Authors Agarwal N,Shukla V,Kolba N,Jackson C,Cheng J,Padilla-Zakour OI,Tako E

Impact of Clarified Apple Juices with Different Processing Methods on Gut Microbiota and Metabolomics of Rats.

Nutrients , Volume: 14 Issue: 17 2022 Aug 25

Authors Xu L,Yang S,Wang K,Lu A,Wang X,Xu Z

The antidiabetic effects of Bifidobacterium longum subsp. longum BL21 through regulating gut microbiota structure in type 2 diabetic mice.

Food & function , Volume: 13 Issue: 19 2022 Oct 3

Authors Hao J,Zhang Y,Wu T,Liu R,Sui W,Zhu J,Fang S,Geng J,Zhang M

Milk fat globule membrane supplementation to obese rats during pregnancy and lactation promotes neurodevelopment in

[offspring via modulating gut microbiota.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Yuan Q,Gong H,Du M,Li T,Mao X

[Effects of Bacillus subtilis natto JLCC513 on gut microbiota and intestinal barrier function in obese rats.](#)

Journal of applied microbiology , Volume: 133 Issue: 6 2022 Dec

Authors Sun R,Niu H,Sun M,Miao X,Jin X,Xu X,Yanping C,Mei H,Wang J,Da L,Su Y

[Curcumin-driven reprogramming of the gut microbiota and metabolome ameliorates motor deficits and neuroinflammation in a mouse model of Parkinson's disease.](#)

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Cui C,Han Y,Li H,Yu H,Zhang B,Li G

[Different effects of Bacillus coagulans vegetative cells and spore isolates on constipation-induced gut microbiota dysbiosis in mice.](#)

Food & function , Volume: 13 Issue: 18 2022 Sep 22

Authors Li L,Liu B,Cao J,Zhang H,Tian F,Yu L,Chen W,Zhai Q

[Selenium-enriched Bifidobacterium longum DD98 effectively ameliorates dextran sulfate sodium-induced ulcerative colitis in mice.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Hu Y,Jin X,Gao F,Lin T,Zhu H,Hou X,Yin Y,Kan S,Chen D

[Bifidobacterium longum CECT 7894 Improves the Efficacy of Infliximab for DSS-Induced Colitis via Regulating the Gut Microbiota and Bile Acid Metabolism.](#)

Frontiers in pharmacology , Volume: 13 2022

Authors Xiao F,Dong F,Li X,Li Y,Yu G,Liu Z,Wang Y,Zhang T

[Effects of short-term feeding with high fiber diets on growth, utilization of dietary fiber, and microbiota in pigs.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Pu G,Hou L,Du T,Wang B,Liu H,Li K,Niu P,Zhou W,Huang R,Li P

[Reuterin Isolated from Lactobacillus reuteri Indonesian Strain Affected Interleukin-8 and Human Beta Defensin-2 on Pathogens Induced-HaCat Cells.](#)

Tropical life sciences research , Volume: 33 Issue: 2 2022 Jul

Authors Widyarman AS,Bachtiar BM,Bahctiar EW

[Antimicrobial Properties of Acrylic Resin Incorporated with Propolis Nanoparticles.](#)

Frontiers in dentistry , Volume: 18 2021

Authors Arab S,Bahador A,Sodagar A,Pourhajibagher M,Akhavan A,Hafith AN,Pornamazeh T

[Effect of Intensity and Duration of Exercise on Gut Microbiota in Humans: A Systematic Review.](#)

International journal of environmental research and public health , Volume: 19 Issue: 15 2022 Aug 3

Authors Bonomini-Gnutzmann R,Plaza-Díaz J,Jorquera-Aguilera C,Rodríguez-Rodríguez A,Rodríguez-Rodríguez F

[Modified highland barley regulates lipid metabolism, liver inflammation and gut microbiota in high-fat/cholesterol diet mice as revealed by LC-MS based metabolomics.](#)

Food & function , Volume: 13 Issue: 17 2022 Aug 30

Authors Li X,Du Y,Zhang C,Tu Z,Wang L

[On the effect of flavonoids and dietary fibre in lingonberries on atherosclerotic plaques, lipid profiles and gut microbiota composition in Apoe\(-/-\) mice.](#)

International journal of food sciences and nutrition , Volume: 73 Issue: 8 2022 Dec

Authors Liu J,Hefni ME,Witthöft CM,Bergström M,Burleigh S,Nyman M,Hållénus F

[Consumption of Wheat Peptides Improves Functional Constipation: A Translational Study in Humans and Mice.](#)

Molecular nutrition & food research , Volume: 66 Issue: 19 2022 Oct

Authors Wang Q,Shen F,Zhang J,Cai H,Pan Y,Sun T,Gong Y,Du J,Zhong H,Feng F

[Impact of Lycium barbarum arabinogalactan on the fecal metabolome in a DSS-induced chronic colitis mouse model.](#)

Food & function , Volume: 13 Issue: 16 2022 Aug 15

Authors Cao C,Wang L,Ai C,Gong G,Wang Z,Huang L,Song S,Zhu B

[Effects of calcium-magnesium carbonate and calcium-magnesium hydroxide as supplemental sources of magnesium on ruminal microbiome.](#)

Translational animal science , Volume: 6 Issue: 3 2022 Jul

Authors Arce-Cordero JA,Liu T,Ravelo A,Lobo RR,Agustinho BC,Monteiro HF,Jeong KC,Faciola AP

[Bacillus coagulans in Combination with Chitooligosaccharides Regulates Gut Microbiota and Ameliorates the DSS-Induced Colitis in Mice.](#)

Microbiology spectrum , Volume: 10 Issue: 4 2022 Aug 31

Authors Liu Z,Jiang Z,Zhang Z,Liu T,Fan Y,Liu T,Peng N

[Dietary Goji Shapes the Gut Microbiota to Prevent the Liver Injury Induced by Acute Alcohol Intake.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Guo L,Guan Q,Duan W,Ren Y,Zhang XJ,Xu HY,Shi JS,Wang FZ,Lu R,Zhang HL,Xu ZH,Li H,Geng Y

[Beta-Glucan Alters Gut Microbiota and Plasma Metabolites in Pre-Weaning Dairy Calves.](#)

Metabolites , Volume: 12 Issue: 8 2022 Jul 26

Authors Luo Z,Ma L,Zhou T,Huang Y,Zhang L,Du Z,Yong K,Yao X,Shen L,Yu S,Shi X,Cao S

[Metagenomic Changes of Gut Microbiota following Treatment of Helicobacter pylori Infection with a Simplified Low-Dose Quadruple Therapy with Bismuth or Lactobacillus reuteri.](#)

Nutrients , Volume: 14 Issue: 14 2022 Jul 6

Authors Dore MP,Sau R,Niolu C,Abbondio M,Tanca A,Bibbò S,Loria M,Pes GM,Uzzau S

[Kaempferia parviflora Rhizome Extract as Potential Anti-Acne Ingredient.](#)

Molecules (Basel, Switzerland) , Volume: 27 Issue: 14 2022 Jul 8

Authors Sitthichai P,Chanpirom S,Maneerat T,Charoensup R,Tree-Udom T,Pintathong P,Laphookhieo S,Sripisut T

[Limosilactobacillus reuteri Attenuates Atopic Dermatitis via Changes in Gut Bacteria and Indole Derivatives from Tryptophan Metabolism.](#)

International journal of molecular sciences , Volume: 23 Issue: 14 2022 Jul 13

Authors Fang Z,Pan T,Wang H,Zhu J,Zhang H,Zhao J,Chen W,Lu W

[Inulin-type fructans change the gut microbiota and prevent the development of diabetic nephropathy.](#)

Pharmacological research , Volume: 183 2022 Sep

Authors Luo L,Luo J,Cai Y,Fu M,Li W,Shi L,Liu J,Dong R,Xu X,Tu L,Yang Y

[Lycium barbarum polysaccharide modulates gut microbiota to alleviate rheumatoid arthritis in a rat model.](#)

NPJ science of food , Volume: 6 Issue: 1 2022 Jul 21

Authors Lai W,Wang C,Lai R,Peng X,Luo J

[Gender-based effect of absence of gut microbiota on the protective efficacy of Bifidobacterium longum-fermented rice bran diet against inflammation-associated colon tumorigenesis.](#)

Molecular carcinogenesis , Volume: 61 Issue: 10 2022 Oct

Authors Kumar R,Maurya AK,Parker KD,Kant R,Ibrahim H,Kabir MI,Kumar D,Weber AM,Agarwal R,Kuhn KA,Ryan EP,Raina K

[Recombinant Bifidobacterium longum Carrying Endostatin Protein Alleviates Dextran Sodium Sulfate-Induced Colitis and Colon Cancer in Rats.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Bi Z,Cui E,Yao Y,Chang X,Wang X,Zhang Y,Xu GX,Zhuang H,Hua ZC

[Integrated Analysis of the Alterations in Gut Microbiota and Metabolites of Mice Induced After Long-Term Intervention With Different Antibiotics.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Zhang N,Liu J,Chen Z,Chen N,Gu F,He Q

[Lactobacillus plantarum Alleviates Obesity by Altering the Composition of the Gut Microbiota in High-Fat Diet-Fed Mice.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Ma Y,Fei Y,Han X,Liu G,Fang J

[Hypoglycemic Effects of Lycium barbarum Polysaccharide in Type 2 Diabetes Mellitus Mice via Modulating Gut Microbiota.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Ma Q,Zhai R,Xie X,Chen T,Zhang Z,Liu H,Nie C,Yuan X,Tu A,Tian B,Zhang M,Chen Z,Li J

[Effect of chicory-derived inulin-type fructans on abundance of Bifidobacterium and on bowel function: a systematic review with meta-analyses.](#)

Critical reviews in food science and nutrition , Volume: 63 Issue: 33 2023 Nov

Authors Nagy DU,Sándor-Bajusz KA,Bódy B,Decsi T,Van Harsselaar J,Theis S,Lohner S

[Effect of voluntary wheel running on gut microbiota composition in developing mice.](#)

Nutricion hospitalaria , Volume: 39 Issue: 4 2022 Aug 25

Authors Wan C,Liu ZB,Tan H,Zhang Z,Zhou Q,Yao LH,Meng W,Wang S

[Effects of Oats, Tartary Buckwheat, and Foxtail Millet Supplementation on Lipid Metabolism, Oxido-Inflammatory Responses, Gut Microbiota, and Colonic SCFA Composition in High-Fat Diet Fed Rats.](#)

Nutrients , Volume: 14 Issue: 13 2022 Jul 4

Authors Wang Y,Qi W,Guo X,Song G,Pang S,Fang W,Peng Z

[Identification of Nordic Berries with Beneficial Effects on Cognitive Outcomes and Gut Microbiota in High-Fat-Fed Middle-Aged C57BL/6J Mice.](#)

Nutrients , Volume: 14 Issue: 13 2022 Jun 30

Authors Huang F,Marunguang N,Kostiuchenko O,Kravchenko N,Burleigh S,Prykhodko O,Hållénus FF,Heyman-Lindén L

[Functional Fiber Reduces Mice Obesity by Regulating Intestinal Microbiota.](#)

Nutrients , Volume: 14 Issue: 13 2022 Jun 28

Authors Zhang M,Liu J,Li C,Gao J,Xu C,Wu X,Xu T,Cui C,Wei H,Peng J,Zheng R

The Effects of Time-Restricted Eating on Metabolism and Gut Microbiota: A Real-Life Study.**Nutrients** , Volume: 14 Issue: 13 2022 Jun 21

Authors Ferrocino I,Pellegrini M,D'Eusebio C,Goitre I,Ponzo V,Fadda M,Rosato R,Mengozzi G,Beccuti G,Merlo FD,Rahimi F,Comazzi I,Cocolin L,Ghigo E,Bo S

Hepatoprotective effect of curcumin against bisphenol A-induced hepatic steatosis via modulating gut microbiota dysbiosis and related gut-liver axis activation in CD-1 mice.**The Journal of nutritional biochemistry** , Volume: 109 2022 Nov

Authors Hong T,Jiang X,Zou J,Yang J,Zhang H,Mai H,Ling W,Feng D

The regulatory effect of fermented black barley on the gut microbiota and metabolic dysbiosis in mice exposed to cigarette smoke.**Food research international (Ottawa, Ont.)** , Volume: 157 2022 Jul

Authors Zhong L,Qin L,Ding X,Ma L,Wang Y,Liu M,Chen H,Yan H,Song L

Fermented milk of cheese-derived *Lactobacillus delbrueckii* subsp. *bulgaricus* displays potentials in alleviating alcohol-induced hepatic injury and gut dysbiosis in mice.**Food research international (Ottawa, Ont.)** , Volume: 157 2022 Jul

Authors Liu M,Liu M,Yang S,Shen C,Wang X,Liu W,Guo Y

Arabinoxylan from rice bran protects mice against high-fat diet-induced obesity and metabolic inflammation by modulating gut microbiota and short-chain fatty acids.**Food & function** , Volume: 13 Issue: 14 2022 Jul 18

Authors Luo S,He L,Zhang H,Li Z,Liu C,Chen T

Regulatory Effect of *Lactiplantibacillus plantarum* 2-33 on Intestinal Microbiota of Mice With Antibiotic-Associated Diarrhea.**Frontiers in nutrition** , Volume: 9 2022

Authors Bao W,He Y,Yu J,Liu M,Yang X,Ta N,Zhang E,Liang C

Oral administration of octacosanol modulates the gut bacteria and protects the intestinal barrier in ulcerative colitis mice.**Journal of food biochemistry** , Volume: 46 Issue: 10 2022 Oct

Authors Miao ST,Lu QS,Zhou YJ,Chang YN,Xu T,Zhu MY

Lactobacillus plantarum FRT4 alleviated obesity by modulating gut microbiota and liver metabolome in high-fat diet-induced obese mice.**Food & nutrition research** , Volume: 66 2022

Authors Cai H,Wen Z,Zhao L,Yu D,Meng K,Yang P

Effect of dietary *Bacillus coagulans* on the performance and intestinal microbiota of weaned piglets.**Animal : an international journal of animal bioscience** , Volume: 16 Issue: 7 2022 Jul

Authors Sun T,Miao H,Zhang C,Wang Y,Liu S,Jiao P,Li W,Li Y,Huang Z

Interaction between dietary fiber and bifidobacteria in promoting intestinal health.**Food chemistry** , Volume: 393 2022 Nov 1

Authors Wang H,Huang X,Tan H,Chen X,Chen C,Nie S

Saccharomyces boulardii, a yeast probiotic, inhibits gut motility through upregulating intestinal serotonin transporter and modulating gut microbiota.**Pharmacological research** , Volume: 181 2022 Jul

Authors Gu Y,Wang C,Qin X,Zhou B,Liu X,Liu T,Xie R,Liu J,Wang B,Cao H

In vitro Intervention of *Lactobacillus paracasei* N1115 Can Alter Fecal Microbiota and Their SCFAs Metabolism of Pregnant Women with Constipation and Diarrhea.**Current microbiology** , Volume: 79 Issue: 7 2022 Jun 7

Authors Dang C,Zhao K,Xun Y,Feng L,Zhang D,Cui L,Cui Y,Jia X,Wang S

Miya Improves Osteoarthritis Characteristics via the Gut-Muscle-Joint Axis According to Multi-Omics Analyses.**Frontiers in pharmacology** , Volume: 13 2022

Authors Xu T,Yang D,Liu K,Gao Q,Liu Z,Li G

The Probiotic *Lactobacillus paracasei* Ameliorates Diarrhea Cause by *Escherichia coli* O(8) via Gut Microbiota Modulation(1).**Frontiers in nutrition** , Volume: 9 2022

Authors Ren S,Wang C,Chen A,Lv W,Gao R

Zingiber officinale and *Panax ginseng* ameliorate ulcerative colitis in mice via modulating gut microbiota and its metabolites.**Journal of chromatography. B, Analytical technologies in the biomedical and life sciences** , Volume: 1203 2022 Jul 1

Authors Wan Y,Yang L,Li H,Ren H,Zhu K,Dong Z,Jiang S,Shang E,Qian D,Duan J

Lactobacillus reuteri J1 prevents obesity by altering the gut microbiota and regulating bile acid metabolism in obese mice.**Food & function** , Volume: 13 Issue: 12 2022 Jun 20

Authors Zhang C,Fang R,Lu X,Zhang Y,Yang M,Su Y,Jiang Y,Man C

[Combination of Houttuynia cordata polysaccharide and Lactiplantibacillus plantarum P101 alleviates acute liver injury by regulating gut microbiota in mice.](#)

Journal of the science of food and agriculture , Volume: 102 Issue: 15 2022 Dec

Authors Xu X,Liu S,Zhao Y,Wang M,Hu L,Li W,Xu H

[Investigating Ramadan Like Fasting Effects on the Gut Microbiome in BALB/c Mice.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Su J,Li F,Wang Y,Su Y,Verhaar A,Ma Z,Peppelenbosch MP

[Dietary Vitamin B1 Intake Influences Gut Microbial Community and the Consequent Production of Short-Chain Fatty Acids.](#)

Nutrients , Volume: 14 Issue: 10 2022 May 16

Authors Park J,Hosomi K,Kawashima H,Chen YA,Mohsen A,Ohno H,Konishi K,Tanisawa K,Kifushi M,Kogawa M,Takeyama H,Murakami H,Kubota T,Miyachi M,Kunisawa J,Mizuguchi K

[Quercetin Reduces Inflammation and Protects Gut Microbiota in Broilers.](#)

Molecules (Basel, Switzerland) , Volume: 27 Issue: 10 2022 May 19

Authors Sun L,Guo L,Xu G,Li Z,Appiah MO,Yang L,Lu W

[Bifidobacterium longum CCFM752 prevented hypertension and aortic lesion, improved antioxidative ability, and regulated the gut microbiome in spontaneously hypertensive rats.](#)

Food & function , Volume: 13 Issue: 11 2022 Jun 6

Authors Lu W,Wang Y,Fang Z,Wang H,Zhu J,Zhai Q,Zhao J,Zhang H,Chen W

[Oat \$\beta\$ Glucan Ameliorates Renal Function and Gut Microbiota in Diabetic Rats.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Wang R,Zhang Z,Aihemaitijiang S,Ye C,Halimulati M,Huang X,Qin H

[Probiotics synergized with conventional regimen in managing Parkinson's disease.](#)

NPJ Parkinson's disease , Volume: 8 Issue: 1 2022 May 24

Authors Sun H,Zhao F,Liu Y,Ma T,Jin H,Quan K,Leng B,Zhao J,Yuan X,Li Z,Li F,Kwok LY,Zhang S,Sun Z,Zhang J,Zhang H

[A Three-Day Intervention With Granola Containing Cereal Beta-Glucan Improves Glycemic Response and Changes the Gut Microbiota in Healthy Individuals: A Crossover Study.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Telle-Hansen VH,Gaundal L,Høgvard B,Ulven SM,Holven KB,Byfuglien MG,Måge I,Knutzen SH,Ballance S,Rieder A,Rud I,Myhrstad MCW

[The impacts of bovine milk, soy beverage, or almond beverage on the growing rat microbiome.](#)

PeerJ , Volume: 10 2022

Authors Cakebread J,Wallace OAM,Henderson H,Jauregui R,Young W,Hodgkinson A

[Curcumin Supplementation Ameliorates Bile Cholesterol Supersaturation in Hamsters by Modulating Gut Microbiota and Cholesterol Absorption.](#)

Nutrients , Volume: 14 Issue: 9 2022 Apr 27

Authors Hong T,Zou J,Jiang X,Yang J,Cao Z,He Y,Feng D

[Pomegranate juice alters the microbiota in breast milk and infant stool: a pilot study.](#)

Food & function , Volume: 13 Issue: 10 2022 May 23

Authors Henning SM,Yang J,Lee RP,Huang J,Thames G,Korn M,Ben-Nissan D,Heber D,Li Z

[Pomegranate peel polyphenols interaction with intestinal flora and its metabolic transformation.](#)

Xenobiotica; the fate of foreign compounds in biological systems , Volume: 52 Issue: 5 2022 May

Authors Shi H,Yang J,Li J

[The Protective Effects of Inulin-Type Fructans Against High-Fat/Sucrose Diet-Induced Gestational Diabetes Mice in Association With Gut Microbiota Regulation.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Miao M,Wang Q,Wang X,Fan C,Luan T,Yan L,Zhang Y,Zeng X,Dai Y,Li P

[Oligosaccharides derived from Lycium barbarum ameliorate glycolipid metabolism and modulate the gut microbiota community and the faecal metabolites in a type 2 diabetes mouse model: metabolomic bioinformatic analysis.](#)

Food & function , Volume: 13 Issue: 9 2022 May 10

Authors Liu H,Zhang Z,Li J,Liu W,Warda M,Cui B,Abd El-Aty AM

[Bacillus amyloliquefaciens SC06 alleviates the obesity of ob/ob mice and improves their intestinal microbiota and bile acid metabolism.](#)

Food & function , Volume: 13 Issue: 9 2022 May 10

Authors Zeng Z,Zhou Y,Xu Y,Wang S,Wang B,Zeng Z,Wang Q,Ye X,Jin L,Yue M,Tang L,Zou P,Zhao P,Li W

[Genistein Up-Regulates the Expression of EGF and E-Cadherin in the Treatment of Senile Vaginitis.](#)

Molecules (Basel, Switzerland) , Volume: 27 Issue: 8 2022 Apr 7

Authors Sun Y,Wang L,Wang B,Meng Y,Wang W

[Lactobacillus casei Improve Anti-Tuberculosis Drugs-Induced Intestinal Adverse Reactions in Rat by Modulating Gut](#)

Microbiota and Short-Chain Fatty Acids.**Nutrients** , Volume: 14 Issue: 8 2022 Apr 17

Authors Li Y,Zhao L,Hou M,Gao T,Sun J,Luo H,Wang F,Zhong F,Ma A,Cai J

Relandscaping the Gut Microbiota with a Whole Food: Dose-Response Effects to Common Bean.**Foods (Basel, Switzerland)** , Volume: 11 Issue: 8 2022 Apr 15

Authors Lutsiv T,McGinley JN,Neil-McDonald ES,Weir TL,Foster MT,Thompson HJ

Dietary Supplementation With Fine-Grinding Wheat Bran Improves Lipid Metabolism and Inflammatory Response via Modulating the Gut Microbiota Structure in Pregnant Sow.**Frontiers in microbiology** , Volume: 13 2022

Authors Wang Z,Chen Y,Wang W,Huang C,Hu Y,Johnston L,Wang F

Detection and isolation of typical gut indigenous bacteria in ICR mice fed wheat bran and wheat straw fibre.**Food chemistry. Molecular sciences** , Volume: 4 2022 Jul 30

Authors Takei N,Kuda T,Handa N,Fujita S,Takahashi H,Kimura B

Metabonomics combined with 16S rRNA sequencing to elucidate the hypoglycemic effect of dietary fiber from tea residues.**Food research international (Ottawa, Ont.)** , Volume: 155 2022 May

Authors Huang H,Chen J,Chen Y,Xie J,Xue P,Ao T,Chang X,Hu X,Yu Q

Classification of the Occurrence of Dyslipidemia Based on Gut Bacteria Related to Barley Intake.**Frontiers in nutrition** , Volume: 9 2022

Authors Maruyama S,Matsuoka T,Hosomi K,Park J,Nishimura M,Murakami H,Konishi K,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Ooka T,Yamagata Z,Kunisawa J

Effects of Ramadan and Non-ramadan Intermittent Fasting on Gut Microbiome.**Frontiers in nutrition** , Volume: 9 2022

Authors Mousavi SN,Rayyani E,Heshmati J,Tavasolian R,Rahimlou M

Lactobacillus paracasei 24 Attenuates Lipid Accumulation in High-Fat Diet-Induced Obese Mice by Regulating the Gut Microbiota.**Journal of agricultural and food chemistry** , Volume: 70 Issue: 15 2022 Apr 20

Authors Liu Z,Zhou X,Wang W,Gu L,Hu C,Sun H,Xu C,Hou J,Jiang Z

Intestinal Mucosal Immunity-Mediated Modulation of the Gut Microbiome by Oral Delivery of Enterococcus faecium Against Salmonella Enteritidis Pathogenesis in a Laying Hen Model.**Frontiers in immunology** , Volume: 13 2022

Authors Huang S,Rong X,Liu M,Liang Z,Geng Y,Wang X,Zhang J,Ji C,Zhao L,Ma Q

Green Banana Flour Contributes to Gut Microbiota Recovery and Improves Colonic Barrier Integrity in Mice Following Antibiotic Perturbation.**Frontiers in nutrition** , Volume: 9 2022

Authors Li P,Li M,Song Y,Huang X,Wu T,Xu ZZ,Lu H

The Relationship between Physical Activity, Physical Exercise, and Human Gut Microbiota in Healthy and Unhealthy Subjects: A Systematic Review.**Biology** , Volume: 11 Issue: 3 2022 Mar 21

Authors Cataldi S,Bonavolontà V,Polì L,Clemente FM,De Candia M,Carvutto R,Silva AF,Badicu G,Graco G,Fischetti F

Lactobacillus reuteri CCFM8631 Alleviates Hypercholesterolaemia Caused by the Paigen Atherogenic Diet by Regulating the Gut Microbiota.**Nutrients** , Volume: 14 Issue: 6 2022 Mar 17

Authors Wang Q,He Y,Li X,Zhang T,Liang M,Wang G,Zhao J,Zhang H,Chen W

Relationships between barley consumption and gut microbiome characteristics in a healthy Japanese population: a cross-sectional study.**BMC nutrition** , Volume: 8 Issue: 1 2022 Mar 14

Authors Matsuoka T,Hosomi K,Park J,Goto Y,Nishimura M,Maruyama S,Murakami H,Konishi K,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Yokomichi H,Kunisawa J,Yamagata Z

Different Alterations in Gut Microbiota between Bifidobacterium longum and Fecal Microbiota Transplantation Treatments in Propionic Acid Rat Model of Autism.**Nutrients** , Volume: 14 Issue: 3 2022 Jan 30

Authors Abujamel TS,Al-Otaibi NM,Abuaish S,AlHarbi RH,Assas MB,Alzahrani SA,Alotaibi SM,El-Ansary A,Abed K

Effects of Whole Brown Bean and Its Isolated Fiber Fraction on Plasma Lipid Profile, Atherosclerosis, Gut Microbiota, and Microbiota-Dependent Metabolites in Apoe(-/-) Mice.**Nutrients** , Volume: 14 Issue: 5 2022 Feb 22

Authors Liu J,Hefni ME,Witthöft CM,Bergström M,Burleigh S,Nyman M,Hållenius F

Effect of Dietary Bacillus licheniformis Supplementation on Growth Performance and Microbiota Diversity of Pekin Ducks.**Frontiers in veterinary science** , Volume: 9 2022

Authors Li L,Lv X,Han X,Sun C,An K,Gao W,Xia Z

[An Integrative Multiomics Approach to Characterize Prebiotic Inulin Effects on Faecalibacterium prausnitzii.](#)

Frontiers in bioengineering and biotechnology , Volume: 10 2022

Authors Park JH,Song WS,Lee J,Jo SH,Lee JS,Jeon HJ,Kwon JE,Kim YR,Baek JH,Kim MG,Yang YH,Kim BG,Kim YG

[Evaluating the effects of a standardized polyphenol mixture extracted from poplar-type propolis on healthy and diseased human gut microbiota.](#)

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 148 2022 Apr

Authors Garzarella EU,Navajas-Porras B,Pérez-Burillo S,Ullah H,Esposito C,Santarcangelo C,Hinojosa-Nogueira D,Pastoriza S,Zaccaria V,Xiao J,Rufián-Henares JA,Daglia M

[Effects of drinking water supplementation with Lactobacillus reuteri, and a mixture of reuterin and microcin J25 on the growth performance, caecal microbiota and selected metabolites of broiler chickens.](#)

Journal of animal science and biotechnology , Volume: 13 Issue: 1 2022 Mar 5

Authors Zhang L,Ben Said L,Hervé N,Zirah S,Diarra MS,Fliss I

[Evaluation of a Zingiber officinale and Bixa orellana Supplement on the Gut Microbiota of Male Athletes: A Randomized Placebo-Controlled Trial.](#)

Planta medica , Volume: 88 Issue: 13 2022 Oct

Authors Domínguez-Balmaseda D,Bressa C,Fernández-Romero A,de Lucas B,Pérez-Ruiz M,San Juan AF,Roller M,Issaly N,Larrosa M

[Effects of Live Combined Bacillus subtilis and Enterococcus faecium on Gut Microbiota Composition in C57BL/6 Mice and in Humans.](#)

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Pi X,Teng W,Fei D,Zhao G,Liu W

[Beneficial Effects of Partly Milled Highland Barley on the Prevention of High-Fat Diet-Induced Glycometabolic Disorder and the Modulation of Gut Microbiota in Mice.](#)

Nutrients , Volume: 14 Issue: 4 2022 Feb 11

Authors Li S,Wang M,Li C,Meng Q,Meng Y,Ying J,Bai S,Shen Q,Xue Y

[Cigarette Smoking and Human Gut Microbiota in Healthy Adults: A Systematic Review.](#)

Biomedicines , Volume: 10 Issue: 2 2022 Feb 21

Authors Antinozzi M,Giffi M,Sini N,Gallè F,Valeriani F,De Vito C,Liguori G,Romano Spica V,Cattaruzza MS

[Effect of Clostridium butyricum on Gastrointestinal Infections.](#)

Biomedicines , Volume: 10 Issue: 2 2022 Feb 18

Authors Ariyoshi T,Hagihara M,Takahashi M,Mikamo H

[Curcumin Alleviates Dextran Sulfate Sodium-Induced Colitis in Mice Through Regulating Gut Microbiota.](#)

Molecular nutrition & food research , Volume: 66 Issue: 8 2022 Apr

Authors Guo X,Xu Y,Geng R,Qiu J,He X

[Gallic Acid Alleviates Gut Dysfunction and Boosts Immune and Antioxidant Activities in Puppies Under Environmental Stress Based on Microbiome-Metabolomics Analysis.](#)

Frontiers in immunology , Volume: 12 2021

Authors Yang K,Deng X,Jian S,Zhang M,Wen C,Xin Z,Zhang L,Tong A,Ye S,Liao P,Xiao Z,He S,Zhang F,Deng J,Zhang L,Deng B

[Bifidobacterium animalis subsp. lactis BB-12 Has Effect Against Obesity by Regulating Gut Microbiota in Two Phases in Human Microbiota-Associated Rats.](#)

Frontiers in nutrition , Volume: 8 2021

Authors Mao K,Gao J,Wang X,Li X,Geng S,Zhang T,Sadiq FA,Sang Y

[Effects of Bacillus amyloliquefaciens TL106 Isolated from Tibetan Pigs on Probiotic Potential and Intestinal Microbes in Weaned Piglets.](#)

Microbiology spectrum , Volume: 10 Issue: 1 2022 Jan 26

Authors Du H,Yao W,Kulyar MF,Ding Y,Zhu H,Pan H,Li K,Bhutta ZA,Liu S,Li J

[Bifidobacterium bifidum Shows More Diversified Ways of Relieving Non-Alcoholic Fatty Liver Compared with Bifidobacterium adolescentis.](#)

Biomedicines , Volume: 10 Issue: 1 2021 Dec 31

Authors Wang L,Jiao T,Yu Q,Wang J,Wang L,Wang G,Zhang H,Zhao J,Chen W

[Dietary Supplementation with Goji Berries \(Lycium barbarum\) Modulates the Microbiota of Digestive Tract and Caecal Metabolites in Rabbits.](#)

Animals : an open access journal from MDPI , Volume: 12 Issue: 1 2022 Jan 5

Authors Cremonesi P,Curone G,Biscarini F,Cotozzolo E,Menchetti L,Riva F,Marongiu ML,Castiglioni B,Barbato O,Munga A,Castrica M,Vigo D,Sulce M,Quattrone A,Agradi S,Brecchia G

[Curcumin Supplementation \(Meriva®\) Modulates Inflammation, Lipid Peroxidation and Gut Microbiota Composition in Chronic Kidney Disease.](#)

Nutrients , Volume: 14 Issue: 1 2022 Jan 5

Authors Pivari F,Mingione A,Piazzini G,Ceccarani C,Ottaviano E,Brasacchio C,Dei Cas M,Vischi M,Cozzolino MG,Fogagnolo P,Riva A,Petrangolini G,Barrea L,Di Renzo L,Borghi E,Signorelli P,Paroni R,Soldati L

[Dietary Supplementation with Vitamin D, Fish Oil or Resveratrol Modulates the Gut Microbiome in Inflammatory Bowel Disease.](#)

International journal of molecular sciences , Volume: 23 Issue: 1 2021 Dec 24

Authors Wellington VNA,Sundaram VL,Singh S,Sundaram U

[Yeast \$\beta\$ -Glucan Altered Intestinal Microbiome and Metabolome in Older Hens.](#)

Frontiers in microbiology , Volume: 12 2021

Authors Zhen W,Liu Y,Shao Y,Ma Y,Wu Y,Guo F,Abbas W,Guo Y,Wang Z

[The Prebiotic Effects of Oats on Blood Lipids, Gut Microbiota, and Short-Chain Fatty Acids in Mildly Hypercholesterolemic Subjects Compared With Rice: A Randomized, Controlled Trial.](#)

Frontiers in immunology , Volume: 12 2021

Authors Xu D,Feng M,Chu Y,Wang S,Shete V,Tuohy KM,Liu F,Zhou X,Kamil A,Pan D,Liu H,Yang X,Yang C,Zhu B,Lv N,Xiong Q,Wang X,Sun J,Sun G,Yang Y

[Dietary Quercetin Supplementation Attenuates Diarrhea and Intestinal Damage by Regulating Gut Microbiota in Weanling Piglets.](#)

Oxidative medicine and cellular longevity , Volume: 2021 2021

Authors Xu B,Qin W,Xu Y,Yang W,Chen Y,Huang J,Zhao J,Ma L

[Crosstalk between gut microbiota and host lipid metabolism in a mouse model of alcoholic liver injury by chronic baijiu or ethanol feeding.](#)

Food & function , Volume: 13 Issue: 2 2022 Jan 24

Authors Fang C,Zhou Q,Liu Q,Jia W,Xu Y

[Curcumin \$\beta\$ -D-Glucuronide Modulates an Autoimmune Model of Multiple Sclerosis with Altered Gut Microbiota in the Ileum and Feces.](#)

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Khadka S,Omura S,Sato F,Nishio K,Takeya H,Tsunoda I

[Restoring an adequate dietary fiber intake by inulin supplementation: a pilot study showing an impact on gut microbiota and sociability in alcohol use disorder patients.](#)

Gut microbes , Volume: 14 Issue: 1 2022 Jan-Dec

Authors Amadiou C,Coste V,Neyrinck AM,Thijssen V,Leyrolle Q,Bindels LB,Piessevaux H,Stärkel P,de Timary P,Delzenne NM,Leclercq S

[Bifidobacterium longum subsp. longum 5^{1A} attenuates intestinal injury against irinotecan-induced mucositis in mice.](#)

Life sciences , Volume: 289 2022 Jan 15

Authors Quintanilha MF,Miranda VC,Souza RO,Gallotti B,Cruz C,Santos EA,Alvarez-Leite JJ,Jesus LCL,Azevedo V,Trindade LM,Cardoso VN,Ferreira E,Carvalho BA,Soares PMG,Vieira AT,Nicoli JR,Martins FS

[Nine weeks of high-intensity indoor cycling training induced changes in the microbiota composition in non-athlete healthy male college students.](#)

Journal of the International Society of Sports Nutrition , Volume: 18 Issue: 1 2021 Dec 18

Authors Donati Zeppa S,Amatori S,Sisti D,Gervasi M,Agostini D,Piccoli G,Pazienza V,Gobbi P,Rocchi MBL,Sestili P,Stocchi V

[Effects of Dietary Supplementation With *Bacillus subtilis*, as an Alternative to Antibiotics, on Growth Performance, Serum Immunity, and Intestinal Health in Broiler Chickens.](#)

Frontiers in nutrition , Volume: 8 2021

Authors Qiu K,Li CL,Wang J,Qi GH,Gao J,Zhang HJ,Wu SG

[Active Smoking Induces Aberrations in Digestive Tract Microbiota of Rats.](#)

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Wang X,Ye P,Fang L,Ge S,Huang F,Polverini PJ,Heng W,Zheng L,Hu Q,Yan F,Wang W

[Supplementation of chicory root powder as an alternative to antibiotic growth promoter on gut pH, gut microflora and gut histomorphometry of male broilers.](#)

PLoS one , Volume: 16 Issue: 12 2021

Authors Gurram S,V CP,K VL,M V L N R,M V,Bora S

[Gut microbiota modulation as a possible mediating mechanism for fasting-induced alleviation of metabolic complications: a systematic review.](#)

Nutrition & metabolism , Volume: 18 Issue: 1 2021 Dec 14

Authors Angoorani P,Ejtahed HS,Hasani-Ranjbar S,Siadat SD,Soroush AR,Larijani B

[Intermittent Fasting Reshapes the Gut Microbiota and Metabolome and Reduces Weight Gain More Effectively Than Melatonin in Mice.](#)

Frontiers in nutrition , Volume: 8 2021

Authors Liu J,Zhong Y,Luo XM,Ma Y,Liu J,Wang H

Saccharomyces boulardii Combined With Quadruple Therapy for Helicobacter pylori Eradication Decreased the Duration and Severity of Diarrhea: A Multi-Center Prospective Randomized Controlled Trial.

Frontiers in medicine , Volume: 8 2021

Authors Zhao Y,Yang Y,Aruna,Xiao J,Song J,Huang T,Li S,Kou J,Huang L, Ji D,Xiong S,Peng W,Xu S,Cheng B

Bacillus subtilis Attenuates Hepatic and Intestinal Injuries and Modulates Gut Microbiota and Gene Expression Profiles in Mice Infected with Schistosoma japonicum.

Frontiers in cell and developmental biology , Volume: 9 2021

Authors Lin D,Song Q,Zhang Y,Liu J,Chen F,Du S,Xiang S,Wang L,Wu X,Sun X

Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides via Reprogramming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.

Frontiers in immunology , Volume: 12 2021

Authors Ding S,Jiang H,Fang J,Liu G

Polydextrose with and without Bifidobacterium animalis ssp. lactis 420 drives the prevalence of Akkermansia and improves liver health in a multi-compartmental obesogenic mice study.

PloS one , Volume: 16 Issue: 12 2021

Authors Yde CC,Jensen HM,Christensen N,Servant F,Lelouvier B,Lahtinen S,Stenman LK,Airaksinen K,Kailanto HM

Gut microbiome and metabolome in a non-human primate model of chronic excessive alcohol drinking.

Translational psychiatry , Volume: 11 Issue: 1 2021 Dec 1

Authors Piacentino D,Grant-Beurmann S,Vizioli C,Li X,Moore CF,Ruiz-Rodado V, Lee MR,Joseph PV,Fraser CM,Weerts EM,Leggjo L

A Pilot Study of the Effect of Lactobacillus casei Obtained from Long-Lived Elderly on Blood Biochemical, Oxidative, and Inflammatory Markers, and on Gut Microbiota in Young Volunteers.

Nutrients , Volume: 13 Issue: 11 2021 Oct 29

Authors Mei LH,Zheng WX,Zhao ZT,Meng N,Zhang QR,Zhu WJ,Li RD,Liang XL,Li QY

Lactobacillus plantarum ZJUFB2 Prevents High Fat Diet-Induced Insulin Resistance in Association With Modulation of the Gut Microbiota.

Frontiers in nutrition , Volume: 8 2021

Authors Zhong H,Wang J,Abdullah,Hafeez MA,Guan R,Feng F

Inulin-grown Faecalibacterium prausnitzii cross-feeds fructose to the human intestinal epithelium.

Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec

Authors Fagundes RR,Bourgonje AR,Saeed A,Vich Vila A,Plomp N,Blokzijl T,Sadaghian Sadabad M,von Martels JZH,van Leeuwen SS,Weersma RK,Dijkstra G,Harmsen HJM,Faber KN

Gut microbiota-a positive contributor in the process of intermittent fasting-mediated obesity control.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 7 Issue: 4 2021 Dec

Authors Rong B,Wu Q,Saeed M,Sun C

Impacts of Cigarette Smoking Status on Metabolomic and Gut Microbiota Profile in Male Patients With Coronary Artery Disease: A Multi-Omics Study.

Frontiers in cardiovascular medicine , Volume: 8 2021

Authors Hu X,Fan Y,Li H,Zhou R,Zhao X,Sun Y,Zhang S

Beneficial effect of whole-grain wheat on liver fat: a role for the gut microbiota?

Hepatobiliary surgery and nutrition , Volume: 10 Issue: 5 2021 Oct

Authors Gérard P

Dietary supplementation of gingerols- and shogaols-enriched ginger root extract attenuate pain-associated behaviors while modulating gut microbiota and metabolites in rats with spinal nerve ligation.

The Journal of nutritional biochemistry , 2021 Nov 5

Authors Shen CL,Wang R, Ji G,Elmassry MM,Zabet-Moghaddam M,Vellers H,Hamood AN,Gong X,Mirzaei P,Sang S,Neugebauer V

Protective Effects of Bacillus amyloliquefaciens 40 Against Clostridium perfringens Infection in Mice.

Frontiers in nutrition , Volume: 8 2021

Authors Jiang Z,Li W,Su W,Wen C,Gong T,Zhang Y,Wang Y,Jin M,Lu Z

β-Glucan-triggered Akkermansia muciniphila expansion facilitates the expulsion of intestinal helminth via TLR2 in mice.

Carbohydrate polymers , Volume: 275 2022 Jan 1

Authors Jin X,Liu Y,Wang J,Wang X,Tang B,Liu M,Liu X

Effect of organic acids-essential oils blend and oat fiber combination on broiler chicken growth performance, blood parameters, and intestinal health.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 7 Issue: 4 2021 Dec

Authors Adewole DI,Oladokun S,Santin E

Lactobacillus plantarum CCFM1143 Alleviates Chronic Diarrhea via Inflammation Regulation and Gut Microbiota

Modulation: A Double-Blind, Randomized, Placebo-Controlled Study.

Frontiers in immunology , Volume: 12 2021

Authors Yang B,Yue Y,Chen Y,Ding M,Li B,Wang L,Wang Q,Stanton C,Ross RP,Zhao J,Zhang H,Chen W

Effects of fermented wheat bran and yeast culture on growth performance, immunity and intestinal microflora in growing-finishing pigs.

Journal of animal science , 2021 Oct 23

Authors He W,Gao Y,Guo Z,Yang Z,Wang X,Liu H,Sun H,Shi B

Alleviation Effects of *Bifidobacterium animalis* subsp. *lactis* XLTG11 on Dextran Sulfate Sodium-Induced Colitis in Mice.

Microorganisms , Volume: 9 Issue: 10 2021 Oct 3

Authors Wang N,Wang S,Xu B,Liu F,Huo G,Li B

Supplementation with *Lactiplantibacillus plantarum* IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.

International journal of molecular sciences , Volume: 22 Issue: 20 2021 Oct 16

Authors Micioni Di Bonaventura MV,Coman MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C

Alterations in Faecal Microbiota and Elevated Levels of Intestinal IgA Following Oral Administration of *Lactocaseibacillus casei* in mice.

Probiotics and antimicrobial proteins , Volume: 15 Issue: 3 2023 Jun

Authors Aindelis G,Ypsilantis P,Chlichlia K

Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces *Enterobacteriaceae* Family Abundance and Elevates Propionate in a Bioreactor Model.

Frontiers in microbiology , Volume: 12 2021

Authors Ghimire S,Wongkuna S,Sankaranarayanan R,Ryan EP,Bhat GJ,Scaria J

Influence of Diet on the Effect of the Probiotic *Lactobacillus paracasei* in Rats Suffering From Allergic Asthma.

Frontiers in microbiology , Volume: 12 2021

Authors Xie A,Song J,Lu S,Liu Y,Tang L,Wen S

Gut microbiota mediates the effects of inulin on enhancing sulfomucin production and mucosal barrier function in a pig model.

Food & function , Volume: 12 Issue: 21 2021 Nov 1

Authors Xia B,Wu W,Zhang L,Wen X,Xie J,Zhang H

Unravelling the collateral damage of antibiotics on gut bacteria.

Nature , Volume: 599 Issue: 7883 2021 Nov

Authors Maier L,Goemans CV,Wirbel J,Kuhn M,Eberl C,Pruteanu M,Müller P,Garcia-Santamarina S,Cacace E,Zhang B,Gekeler C,Banerjee T,Anderson EE,Milanese A,Löber U,Forslund SK,Patil KR,Zimmermann M,Stecher B,Zeller G,Bork P,Typas A

Yeast β -glucan reduces obesity-associated *Bilophila* abundance and modulates bile acid metabolism in healthy and high-fat diet mouse models.

American journal of physiology. Gastrointestinal and liver physiology , Volume: 321 Issue: 6 2021 Dec 1

Authors So SY,Wu Q,Leung KS,Kundi ZM,Savidge TC,El-Nezami H

Adjunctive Probiotics Alleviates Asthmatic Symptoms via Modulating the Gut Microbiome and Serum Metabolome.

Microbiology spectrum , 2021 Oct 6

Authors Liu A,Ma T,Xu N,Jin H,Zhao F,Kwok LY,Zhang H,Zhang S,Sun Z

Treatment with a spore-based probiotic containing five strains of *Bacillus* induced changes in the metabolic activity and community composition of the gut microbiota in a SHIME® model of the human gastrointestinal system.

Food research international (Ottawa, Ont.) , Volume: 149 2021 Nov

Authors Marzorati M,Van den Abbeele P,Bubeck S,Bayne T,Krishnan K,Young A

Gut microbiota link dietary fiber intake and short-chain fatty acid metabolism with eating behavior.

Translational psychiatry , Volume: 11 Issue: 1 2021 Oct 1

Authors Medawar E,Haange SB,Rolle-Kampczyk U,Engelmann B,Dietrich A,Thieleking R,Wiegank C,Fries C,Horstmann A,Villringer A,von Bergen M,Fenske W,Veronica Witte A

The Gut Microbiota during a Behavioral Weight Loss Intervention.

Nutrients , Volume: 13 Issue: 9 2021 Sep 18

Authors Stanislawski MA,Frank DN,Borengasser SJ,Ostendorf DM,Ir D,Jambal P,Bing K,Wayland L,Siebert JC,Bessesen DH,MacLean PS,Melanson EL,Catenacci VA

Prebiotic Inulin Supplementation and Peripheral Insulin Sensitivity in adults at Elevated Risk for Type 2 Diabetes: A Pilot Randomized Controlled Trial.

Nutrients , Volume: 13 Issue: 9 2021 Sep 17

Authors Mitchell CM,Davy BM,Ponder MA,McMillan RP,Hughes MD,Hulver MW,Neilson AP,Davy KP

Bacillus pumilus and *Bacillus subtilis* Promote Early Maturation of Cecal Microbiota in Broiler Chickens.

Microorganisms , Volume: 9 Issue: 9 2021 Sep 7

Authors Bilal M,Achard C,Barbe F,Chevaux E,Ronholm J,Zhao X

[Lactobacillus reuteri FYNJ109L1 Attenuating Metabolic Syndrome in Mice via Gut Microbiota Modulation and Alleviating Inflammation.](#)

Foods (Basel, Switzerland) , Volume: 10 Issue: 9 2021 Sep 2

Authors Yang B,Zheng F,Stanton C,Ross RP,Zhao J,Zhang H,Chen W

[Short-Chain Inulin Modulates the Cecal Microbiota Structure of Leptin Knockout Mice in High-Fat Diet.](#)

Frontiers in microbiology , Volume: 12 2021

Authors Feng Y,Feng J,Wang L,Meng A,Wei S,Cui J,Hu X,Yan L

[The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.](#)

Advances in nutrition (Bethesda, Md.) , 2021 Sep 23

Authors Hughes RL,Alvarado DA,Swanson KS,Holscher HD

[Ketogenic diet aggravates colitis, impairs intestinal barrier and alters gut microbiota and metabolism in DSS-induced mice.](#)

Food & function , Volume: 12 Issue: 20 2021 Oct 19

Authors Li S,Zhuge A,Wang K,Lv L,Bian X,Yang L,Xia J,Jiang X,Wu W,Wang S,Wang Q,Li L

[Effects of Total Dietary Fiber on Cecal Microbial Community and Intestinal Morphology of Growing White Pekin Duck.](#)

Frontiers in microbiology , Volume: 12 2021

Authors Hao Y, Ji Z, Shen Z, Wu Y, Zhang B, Tang J, Hou S, Xie M

[Selenium-Enriched Lactobacillus acidophilus Ameliorates Dextran Sulfate Sodium-Induced Chronic Colitis in Mice by Regulating Inflammatory Cytokines and Intestinal Microbiota.](#)

Frontiers in medicine , Volume: 8 2021

Authors Wu Z,Pan D,Jiang M,Sang L,Chang B

[Pomegranate fruit pulp polyphenols reduce diet-induced obesity with modulation of gut microbiota in mice.](#)

Journal of the science of food and agriculture , Volume: 102 Issue: 5 2022 Mar 30

Authors Song H,Shen X,Chu Q,Zheng X

[Lactocaseibacillus paracasei NK112 mitigates Escherichia coli-induced depression and cognitive impairment in mice by regulating IL-6 expression and gut microbiota.](#)

Beneficial microbes , 2021 Sep 13

Authors Yun SW,Kim JK,Han MJ,Kim DH

[Curcumin Reduces Adipose Tissue Inflammation and Alters Gut Microbiota in Diet-Induced Obese Male Mice.](#)

Molecular nutrition & food research , Volume: 65 Issue: 22 2021 Nov

Authors Islam T,Koboziev I,Albracht-Schulte K,Mistretta B,Scoggin S,Yosofvand M,Moussa H,Zabet-Moghaddam M,Ramalingam L,Gunaratne PH,Moustaid-Moussa N

[Gut microbiota from green tea polyphenol-dosed mice improves intestinal epithelial homeostasis and ameliorates experimental colitis.](#)

Microbiome , Volume: 9 Issue: 1 2021 Sep 7

Authors Wu Z,Huang S,Li T,Li N,Han D,Zhang B,Xu ZZ,Zhang S,Pang J,Wang S,Zhang G,Zhao J,Wang J

[Inulin-type prebiotics reduce serum uric acid levels via gut microbiota modulation: a randomized, controlled crossover trial in peritoneal dialysis patients.](#)

European journal of nutrition , Volume: 61 Issue: 2 2022 Mar

Authors He S,Xiong Q,Tian C,Li L,Zhao J,Lin X,Guo X,He Y,Liang W,Zuo X,Ying C

[Effects of Dietary Supplementation of Lactobacillus delbrueckii on Gut Microbiome and Intestinal Morphology in Weaned Piglets.](#)

Frontiers in veterinary science , Volume: 8 2021

Authors Wang XL,Liu ZY,Li YH,Yang LY,Yin J,He JH,Hou DX,Liu YL,Huang XG

[Systematic Review of the Effects of Oat Intake on Gastrointestinal Health.](#)

The Journal of nutrition , 2021 Sep 6

Authors Valido E,Stoyanov J,Bertolo A,Hertig-Godeschalk A,Zeh RM,Flueck JL,Minder B,Stojic S,Metzger B,Bussler W,Muka T,Kern H,Glisic M

[Quercetin modulates the gut microbiota as well as the metabolome in a rat model of osteoarthritis.](#)

Bioengineered , Volume: 12 Issue: 1 2021 Dec

Authors Lan H,Hong W,Qian D,Peng F,Li H,Liang C,Du M,Gu J,Mai J,Bai B,Peng G

[Eight-week exercise training in humans with obesity: Marked improvements in insulin sensitivity and modest changes in gut microbiome.](#)

Obesity (Silver Spring, Md.) , Volume: 29 Issue: 10 2021 Oct

Authors Verheggen RJHM,Konstanti P,Smidt H,Hermus ARM,M, Thijssen DHJ,Hopman MTE

[Lactobacillus paracasei S16 Alleviates Lumbar Disc Herniation by Modulating Inflammation Response and Gut Microbiota.](#)

Frontiers in nutrition , Volume: 8 2021

Authors Wang Z,Wu H,Chen Y,Chen H,Wang X,Yuan W

The Protection of *Lactiplantibacillus plantarum* CCFM8661 Against Benzopyrene-Induced Toxicity via Regulation of the Gut Microbiota.

Frontiers in immunology , Volume: 12 2021

Authors Yu L,Zhang L,Duan H,Zhao R,Xiao Y,Guo M,Zhao J,Zhang H,Chen W,Tian F

A Novel Sprouted Oat Fermented Beverage: Evaluation of Safety and Health Benefits for Celiac Individuals.

Nutrients , Volume: 13 Issue: 8 2021.Jul 23

Authors Aparicio-García N,Martínez-Villaluenga C,Frias J,Crespo Perez L,Fernández CF,Alba C,Rodríguez JM,Peñas E

Clostridium butyricum MIYAIRI 588 Modifies Bacterial Composition under Antibiotic-Induced Dysbiosis for the Activation of Interactions via Lipid Metabolism between the Gut Microbiome and the Host.

Biomedicines , Volume: 9 Issue: 8 2021 Aug 22

Authors Ariyoshi T,Hagihara M,Tomono S,Eguchi S,Minemura A,Miura D,Oka K,Takahashi M,Yamagishi Y,Mikamo H

Quercetin Ameliorates Insulin Resistance and Restores Gut Microbiome in Mice on High-Fat Diets.

Antioxidants (Basel, Switzerland) , Volume: 10 Issue: 8 2021 Aug 5

Authors Tan Y,Tam CC,Rolston M,Alves P,Chen L,Meng S,Hong H,Chang SKC,Yokoyama W

Prebiotic characteristics of arabinogalactans during in vitro fermentation through multi-omics analysis.

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 156 2021 Oct

Authors Sun Y,Hu J,Zhang S,He H,Nie Q,Zhang Y,Chen C,Geng F,Nie S

Dietary Inulin Regulated Gut Microbiota and Improved Neonatal Health in a Pregnant Sow Model.

Frontiers in nutrition , Volume: 8 2021

Authors Li H,Ma L,Zhang L,Liu N,Li Z,Zhang F,Liu X,Ma X

Regulatory effects of *Lactobacillus* fermented black barley on intestinal microbiota of NAFLD rats.

Food research international (Ottawa, Ont.) , Volume: 147 2021 Sep

Authors Zhu C,Guan Q,Song C,Zhong L,Ding X,Zeng H,Nie P,Song L

The effects of fermented rye products on gut microbiota and their association with metabolic factors in Chinese adults - an explorative study.

Food & function , Volume: 12 Issue: 19 2021 Oct 4

Authors Liu Y,Xue K,Iversen KN,Qu Z,Dong C,Jin T,Hallmans G,Åman P,Johansson A,He G,Landberg R

Broccoli Florets Supplementation Improves Insulin Sensitivity and Alters Gut Microbiome Population-A Steatosis Mice Model Induced by High-Fat Diet.

Frontiers in nutrition , Volume: 8 2021

Authors Zandani G,Anavi-Cohen S,Tsybina-Shimshilashvili N,Sela N,Nyska A,Madar Z

Effects of Short-Term Dietary Fiber Intervention on Gut Microbiota in Young Healthy People.

Diabetes, metabolic syndrome and obesity : targets and therapy , Volume: 14 2021

Authors Tian T,Zhang X,Luo T,Wang D,Sun Y,Dai J

Effects of Smoking on Inflammatory Markers in a Healthy Population as Analyzed via the Gut Microbiota.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Yan S,Ma Z,Jiao M,Wang Y,Li A,Ding S

Kaempferol Alleviates Murine Experimental Colitis by Restoring Gut Microbiota and Inhibiting the LPS-TLR4-NF- κ B Axis.

Frontiers in immunology , Volume: 12 2021

Authors Qu Y,Li X,Xu F,Zhao S,Wu X,Wang Y,Xie J

Prebiotic fructans have greater impact on luminal microbiology and CD3+ T cells in healthy siblings than patients with Crohn`s disease: A pilot study investigating the potential for primary prevention of inflammatory bowel disease.

Clinical nutrition (Edinburgh, Scotland) , Volume: 40 Issue: 8 2021 Jun 23

Authors Hedin CR,McCarthy NE,Louis P,Farquharson FM,McCartney S,Stagg AJ,Lindsay JO,Whelan K

Effects of *Bacillus subtilis* and *Bacillus licheniformis* on growth performance, immunity, short chain fatty acid production, antioxidant capacity, and cecal microflora in broilers.

Poultry science , Volume: 100 Issue: 9 2021 Jun 26

Authors Xu Y,Yu Y,Shen Y,Li Q,Lan J,Wu Y,Zhang R,Cao G,Yang C

Alterations in the gut microbiota contribute to cognitive impairment induced by the ketogenic diet and hypoxia.

Cell host & microbe , Volume: 29 Issue: 9 2021 Sep 8

Authors Olson CA,Iñiguez AJ,Yang GE,Fang P,Pronovost GN,Jameson KG,Rendon TK,Paramo J,Barlow JT,Ismagilov RF,Hsiao EY

The effects of sustained fitness improvement on the gut microbiome: A longitudinal, repeated measures case-study approach.

Translational sports medicine , Volume: 4 Issue: 2 2021 Mar

Authors Barton W,Cronin O,Garcia-Perez I,Whiston R,Holmes E,Woods T,Molloy CB,Molloy MG,Shanahan F,Cotter PD,O'Sullivan O

A multiphase dietetic protocol incorporating an improved ketogenic diet enhances weight loss and alters the gut microbiome of obese people.

International journal of food sciences and nutrition , Volume: 73 Issue: 2 2022 Mar

Authors Yuan W,Lu W,Wang H,Wu W,Zhou Q,Chen Y,Lee YK,Zhao J,Zhang H,Chen W

Home-based exercise training influences gut bacterial levels in multiple sclerosis.

Complementary therapies in clinical practice , Volume: 45 2021 Jul 30

Authors Mokhtarzade M,Molanouri Shamsi M,Abolhasani M,Bakhshi B,Sahraian MA,Quinn LS,Negaresh R

Assessment of Lactobacillus casei rhamnosus (LGG) therapy in children with biliary atresia - Randomized placebo controlled trial.

Clinics and research in hepatology and gastroenterology , Volume: 45 Issue: 6 2021 Nov

Authors Orlowska E,Czubkowski P,Wolochowska K,Jarzebicka D,Motyl I,Socha P

Lactobacillus casei LC89 exerts antidiabetic effects through regulating hepatic glucagon response and gut microbiota in type 2 diabetic mice.

Food & function , Volume: 12 Issue: 18 2021 Sep 20

Authors Zhang Y,Wu T,Li W,Zhao Y,Long H,Liu R,Sui W,Zhang M

The construction of recombinant Lactobacillus casei expressing hemagglutinin-neuraminidase protein and its immune response in chickens.

Microbial pathogenesis , Volume: 158 2021 Sep

Authors Ju A,Duan A,Zhang Y,Qin Y,Xue L,Ma X,Luan W,Yang S

An exercise intervention alters stool microbiota and metabolites among older, sedentary adults.

Therapeutic advances in infectious disease , Volume: 8 2021 Jan-Dec

Authors Erlandson KM,Liu J,Johnson R,Dillon S,Jankowski CM,Kroehl M,Robertson CE,Frank DN,Tuncil Y,Higgins J,Hamaker B,Wilson CC

Dietary Supplementation with Inulin Modulates the Gut Microbiota and Improves Insulin Sensitivity in Prediabetes.

International journal of endocrinology , Volume: 2021 2021

Authors Wang X,Wang T,Zhang Q,Xu L,Xiao X

Cranberry (Vaccinium macrocarpon) dietary supplementation and fecal microbiota of Wistar rats.

AIMS microbiology , Volume: 7 Issue: 2 2021

Authors Chettaoui R,Mayot G,De Almeida L,Di Martino P

Punicic acid ameliorates obesity and liver steatosis by regulating gut microbiota composition in mice.

Food & function , 2021 Jul 9

Authors Yuan G,Tan M,Chen X

The interplay between fasting, gut microbiota, and lipid profile.

International journal of clinical practice , Volume: 75 Issue: 10 2021 Oct

Authors Mohammadzadeh A,Roshanravan N,Mesri Alamdari N,Safaiyan A,Mosharkesh E,Hadi A,Barati M,Ostadrahimi A

Intestinal Microbiota Mediates High-Fructose and High-Fat Diets to Induce Chronic Intestinal Inflammation.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Tan R,Dong H,Chen Z,Jin M,Yin J,Li H,Shi D,Shao Y,Wang H,Chen T,Yang D,Li J

Flavonoids from Whole-Grain Oat Alleviated High-Fat Diet-Induced Hyperlipidemia via Regulating Bile Acid Metabolism and Gut Microbiota in Mice.

Journal of agricultural and food chemistry , Volume: 69 Issue: 27 2021 Jul 14

Authors Duan R,Guan X,Huang K,Zhang Y,Li S,Xia J,Shen M

Effects of Fermented Milk Containing Lactocaseibacillus paracasei Strain Shirota on Constipation in Patients with Depression: A Randomized, Double-Blind, Placebo-Controlled Trial.

Nutrients , Volume: 13 Issue: 7 2021 Jun 29

Authors Zhang X,Chen S,Zhang M,Ren F,Ren Y,Li Y,Liu N,Zhang Y,Zhang Q,Wang R

Evaluation of the Cholesterol-Lowering Mechanism of Enterococcus faecium Strain 132 and Lactobacillus paracasei Strain 201 in Hypercholesterolemia Rats.

Nutrients , Volume: 13 Issue: 6 2021 Jun 9

Authors Yang L,Xie X,Li Y,Wu L,Fan C,Liang T,Xi Y,Yang S,Li H,Zhang J,Ding Y,Xue L,Chen M,Wang J,Wu Q

Microbiota and Metabolite Modifications after Dietary Exclusion of Dairy Products and Reduced Consumption of Fermented Food in Young and Older Men.

Nutrients , Volume: 13 Issue: 6 2021 Jun 1

Authors Kim J,Burton-Pimentel KJ,Fleuti C,Blaser C,Scherz V,Badertscher R,Marmonier C,Lyon-Belgy N,Caille A,Pidou V,Blot A,Bertelli C,David J,Bütikofer U,Greub G,Dardevet D,Polakof S,Vergères G

Effects of Wine and Its Microbial-Derived Metabolites on Intestinal Permeability Using Simulated Gastrointestinal Digestion/Colonic Fermentation and Caco-2 Intestinal Cell Models.

Microorganisms , Volume: 9 Issue: 7 2021 Jun 24

Authors Zorraquín-Peña I,Taladrid D,Tamargo A,Silva M,Molinero N,de Llano DG,Bartolomé B,Moreno-Arribas MV
Concentrated Raw Fibers Enhance the Fiber-Degrading Capacity of a Synthetic Human Gut Microbiome.

International journal of molecular sciences , Volume: 22 Issue: 13 2021 Jun 25

Authors Steimle A,Neumann M,Grant ET,Turner JD,Desai MS

Nrf2/ARE Activators Improve Memory in Aged Mice via Maintaining of Mitochondrial Quality Control of Brain and the Modulation of Gut Microbiome.

Pharmaceuticals (Basel, Switzerland) , Volume: 14 Issue: 7 2021 Jun 23

Authors Sadochnikova IS,Gureev AP,Ignatyeva DA,Gryaznova MV,Chernyshova EV,Krutsikh EP,Novikova AG,Popov VN

A Comprehensive Review of Almond Clinical Trials on Weight Measures, Metabolic Health Biomarkers and Outcomes, and the Gut Microbiota.

Nutrients , Volume: 13 Issue: 6 2021 Jun 8

Authors Dreher ML

Improvement of Metabolic Syndrome in High-Fat Diet-Induced Mice by Yeast β -Glucan Is Linked to Inhibited Proliferation of Lactobacillus and Lactococcus in Gut Microbiota.

Journal of agricultural and food chemistry , Volume: 69 Issue: 27 2021 Jul 14

Authors Chen G,Chen D,Zhou W,Peng Y,Chen C,Shen W,Zeng X,Yuan Q

Curcumin modulates gut microbiota and improves renal function in rats with uric acid nephropathy.

Renal failure , Volume: 43 Issue: 1 2021 Dec

Authors Xu X,Wang H,Guo D,Man X,Liu J,Li J,Luo C,Zhang M,Zhen L,Liu X

Effects of *Bacillus amyloliquefaciens* Instead of Antibiotics on Growth Performance, Intestinal Health, and Intestinal Microbiota of Broilers.

Frontiers in veterinary science , Volume: 8 2021

Authors Wang B,Zhou Y,Tang L,Zeng Z,Gong L,Wu Y,Li WF

Genistein Inhibits Colonic Goblet Cell Loss and Colorectal Inflammation Induced by Salmonella Typhimurium Infection.

Molecular nutrition & food research , Volume: 65 Issue: 16 2021 Aug

Authors He Y,Ayansola H,Hou Q,Liao C,Lei J,Lai Y,Jiang Q,Masatoshi H,Zhang B

Lactic acid production ability of *Lactobacillus* sp. from four tropical fruits using their by-products as carbon source.

Heliyon , Volume: 7 Issue: 5 2021 May

Authors Ngouénam JR,Momo Kenfack CH,Foko Kouam EM,Kaktcham PM,Maharjan R,Ngoufack FZ

Gut Microbial SNPs Induced by High-Fiber Diet Dominate Nutrition Metabolism and Environmental Adaption of *Faecalibacterium prausnitzii* in Obese Children.

Frontiers in microbiology , Volume: 12 2021

Authors Li H,Zhao L,Zhang M

Orange Juice and Yogurt Carrying Probiotic *Bacillus coagulans* GBI-30 6086: Impact of Intake on Wistar Male Rats Health Parameters and Gut Bacterial Diversity.

Frontiers in microbiology , Volume: 12 2021

Authors Almada-Érix CN,Almada CN,Cabral L,Barros de Medeiros VP,Roquette AR,Santos-Junior VA,Fontes M,Gonçalves

AESS,Dos Santos A,Lollo PC,Magnani M,Sant`Ana AS

Effect of Dietary Inulin Supplementation on the Gut Microbiota Composition and Derived Metabolites of Individuals Undergoing Hemodialysis: A Pilot Study.

Journal of renal nutrition : the official journal of the Council on Renal Nutrition of the National Kidney Foundation , 2021 Jun 11

Authors Biruete A,Cross TL,Allen JM,Kistler BM,de Loor H,Evenepoel P,Fahey GC Jr,Bauer L,Swanson KS,Wilund KR

Circadian disruption-induced metabolic syndrome in mice is ameliorated by oat β -glucan mediated by gut microbiota.

Carbohydrate polymers , Volume: 267 2021 Sep 1

Authors Cheng WY,Lam KL,Li X,Kong AP,Cheung PC

Lactobacillus paracasei modulates the gut microbiota and improves inflammation in type 2 diabetic rats.

Food & function , 2021 Jun 11

Authors Zeng Z,Guo X,Zhang J,Yuan Q,Chen S

Resveratrol and its derivative pterostilbene ameliorate intestine injury in intrauterine growth-retarded weanling piglets by modulating redox status and gut microbiota.

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jun 10

Authors Chen Y,Zhang H,Chen Y,Jia P,Ji S,Zhang Y,Wang T

The effect of dietary fiber (oat bran) supplement on blood pressure in patients with essential hypertension: A randomized controlled trial.

Nutrition, metabolism, and cardiovascular diseases : NMCD , 2021 Apr 28

Authors Xue Y,Cui L,Qi J,Ojo O,Du X,Liu Y,Wang X

Oral administration of camellia oil ameliorates obesity and modifies the gut microbiota composition in mice fed a high-fat

diet.

FEMS microbiology letters , Volume: 368 Issue: 10 2021 Jun 11

Authors Huang T,Zhou W,Ma X,Jiang J,Zhang F,Zhou W,He H,Cui G

Lactobacillus casei CCFM1074 Alleviates Collagen-Induced Arthritis in Rats via Balancing Treg/Th17 and Modulating the Metabolites and Gut Microbiota.

Frontiers in immunology , Volume: 12 2021

Authors Fan Z,Ross RP,Stanton C,Hou B,Zhao J,Zhang H,Yang B,Chen W

Modulatory Effects of *Bacillus subtilis* on the Performance, Morphology, Cecal Microbiota and Gut Barrier Function of Laying Hens.

Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 24

Authors Zhang G,Wang H,Zhang J,Tang X,Raheem A,Wang M,Lin W,Liang L,Qi Y,Zhu Y,Jia Y,Cui S,Qin T

Effect of BioPlus YC Probiotic Supplementation on Gut Microbiota, Production Performance, Carcass and Meat Quality of Pigs.

Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 28

Authors Rybarczyk A,Boguslawska-Was E,Dlubala A

Effect of *Lactocaseibacillus paracasei* Strain Shiota on Improvement in Depressive Symptoms, and Its Association with Abundance of Actinobacteria in Gut Microbiota.

Microorganisms , Volume: 9 Issue: 5 2021 May 10

Authors Otaka M,Kikuchi-Hayakawa H,Ogura J,Ishikawa H,Yomogida Y,Ota M,Hidese S,Ishida I,Aida M,Matsuda K,Kawai M,Yoshida S,Kunugi H

Gut Microbiota Induced by Pterostilbene and Resveratrol in High-Fat-High-Fructose Fed Rats: Putative Role in Steatohepatitis Onset.

Nutrients , Volume: 13 Issue: 5 2021 May 20

Authors Milton-Laskibar I,Marcos-Zambrano LJ,Gómez-Zorita S,Fernández-Quintela A,Carrillo de Santa Pau E,Martínez JA,Portillo MP

The Efficacy of Short-Term Weight Loss Programs and Consumption of Natural Probiotic Bryndza Cheese on Gut Microbiota Composition in Women.

Nutrients , Volume: 13 Issue: 6 2021 May 21

Authors Hric I,Ugrayová S,Penesová A,Rádlíková Ž,Kubánová L,Šardžíková S,Baranovicová E,Klucár L,Beke G,Grendar M,Kolisek M,Šoltys K,Bielik V

The Potential Roles of Very Low Calorie, Very Low Calorie Ketogenic Diets and Very Low Carbohydrate Diets on the Gut Microbiota Composition.

Frontiers in endocrinology , Volume: 12 2021

Authors Rondanelli M,Gasparri C,Peroni G,Faliva MA,Naso M,Perna S,Bazire P,Sajuox I,Maugeri R,Rigon C

Saccharomyces cerevisiae boulardii CNCM I-1079 supplementation in finishing male pigs helps to cope with heat stress through feeding behaviour and gut microbiota modulation.

The British journal of nutrition , Volume: 127 Issue: 3 2022 Feb 14

Authors Labussière E,Achard C,Dubois S,Combes S,Castex M,Renaudeau D

Beneficial gut microbiome remodeled during intermittent fasting in humans.

Rejuvenation research , 2021 May 27

Authors Larrick JW,Mendelsohn AR,Larrick J

Different *Bifidobacterium bifidum* strains change the intestinal flora composition of mice via different mechanisms to alleviate loperamide-induced constipation.

Food & function , 2021 May 26

Authors Chai M,Wang L,Li X,Zhao J,Zhang H,Wang G,Chen W

The influence of exercise training volume alterations on the gut microbiome in highly-trained middle-distance runners.

European journal of sport science , 2021 May 26

Authors Craven J,Cox AJ,Bellinger P,Desbrow B,Irwin C,Buchan J,McCartney D,Sabapathy S

Intensive, prolonged exercise seemingly causes gut dysbiosis in female endurance runners.

Journal of clinical biochemistry and nutrition , Volume: 68 Issue: 3 2021 May

Authors Morishima S,Aoi W,Kawamura A,Kawase T,Takagi T,Naito Y,Tsukahara T,Inoue R

Tobacco Smoking and the Fecal Microbiome in a Large, Multi-ethnic Cohort.

Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology , Volume: 30 Issue: 7 2021 Jul

Authors Prakash A,Peters BA,Cobbs E,Beggs D,Choi H,Li H,Hayes RB,Ahn J

Curcumin alleviates high-fat diet-induced hepatic steatosis and obesity in association with modulation of gut microbiota in mice.

Food research international (Ottawa, Ont.) , Volume: 143 2021 May

Authors Li S,You J,Wang Z,Liu Y,Wang B,Du M,Zou T

A multi-omics approach for understanding the effects of moderate wine consumption on human intestinal health.

Food & function , Volume: 12 Issue: 9 2021 May 11

Authors Belda I,Cueva C,Tamargo A,Ravarani CN,Acedo A,Bartolomé B,Moreno-Arribas MV

Effects of Bacillus Coagulans on growth performance, antioxidant capacity, immunity function, and gut health in broilers.

Poultry science , Volume: 100 Issue: 6 2021 Mar 27

Authors Zhang B,Zhang H,Yu Y,Zhang R,Wu Y,Yue M,Yang C

Dietary broccoli improves markers associated with glucose and lipid metabolism through modulation of gut microbiota in mice.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 90 2021 Oct

Authors Zandani G,Kaftori-Sandler N,Sela N,Nyska A,Madar Z

Effect of Fermented Products Produced by Bacillus licheniformis on the Growth Performance and Cecal Microbial Community of Broilers under Coccidial Challenge.

Animals : an open access journal from MDPI , Volume: 11 Issue: 5 2021 Apr 26

Authors Cheng YH,Hong YB,Chen WJ,Hua KF,Dybus A,Yu YH

Effects of Whole-Grain and Sugar Content in Infant Cereals on Gut Microbiota at Weaning: A Randomized Trial.

Nutrients , Volume: 13 Issue: 5 2021 Apr 28

Authors Plaza-Díaz J,Bernal MJ,Schutte S,Chenoll E,Genovés S,Codoñer FM,Gil A,Sanchez-Siles LM

Lactobacillus Sps in Reducing the Risk of Diabetes in High-Fat Diet-Induced Diabetic Mice by Modulating the Gut Microbiome and Inhibiting Key Digestive Enzymes Associated with Diabetes.

Biology , Volume: 10 Issue: 4 2021 Apr 20

Authors Gulnaz A,Nadeem J,Han JH,Lew LC,Son JD,Park YH,Rather IA,Hor YY

Prebiotic Effect of Berberine and Curcumin Is Associated with the Improvement of Obesity in Mice.

Nutrients , Volume: 13 Issue: 5 2021 Apr 24

Authors Neyrinck AM,Sánchez CR,Rodríguez J,Cani PD,Bindels LB,Delzenne NM

Effect of Lactylate and Bacillus subtilis on Growth Performance, Peripheral Blood Cell Profile, and Gut Microbiota of Nursery Pigs.

Microorganisms , Volume: 9 Issue: 4 2021 Apr 10

Authors Wang X,Tsai T,Wei X,Zuo B,Davis E,Rehberger T,Hernandez S,Jochems EJM,Maxwell CV,Zhao J

Effects of Bifidobacterium animalis ssp. lactis 420 on gastrointestinal inflammation induced by a non-steroidal anti-inflammatory drug: a randomized, placebo-controlled, double-blind clinical trial.

British journal of clinical pharmacology , 2021 Apr 27

Authors Mäkelä SM,Forssten SD,Kailajärvi M,Langén VL,Scheinin M,Tiihonen K,Ouweland AC

Gut modulation based anti-diabetic effects of carboxymethylated wheat bran dietary fiber in high-fat diet/streptozotocin-induced diabetic mice and their potential mechanisms.

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 152 2021 Jun

Authors Li XX,Zhang XX,Zhang R,Ni ZJ,Elam E,Thakur K,Céspedes-Acuña CL,Zhang JG,Wei ZJ

Preventive Effects of Bacillus licheniformis on Heat Stroke in Rats by Sustaining Intestinal Barrier Function and Modulating Gut Microbiota.

Frontiers in microbiology , Volume: 12 2021

Authors Li L,Wang M,Chen J,Xu Z,Wang S,Xia X,Liu D,Wang S,Xie C,Wu J,Li J,Zhang J,Wang M,Zhu J,Ling C,Xu S

Assessment of the Safety of Lactobacillus casei IMV B-7280 Probiotic Strain on a Mouse Model.

Probiotics and antimicrobial proteins , Volume: 13 Issue: 6 2021 Dec

Authors L M L,L P B,S G G,L O S,O M D,R V B,L M S,M Ya S

A comprehensive review on the impact of β -glucan metabolism by Bacteroides and Bifidobacterium species as members of the gut microbiota.

International journal of biological macromolecules , Volume: 181 2021 Jun 30

Authors Fernandez-Julia PJ,Munoz-Munoz J,van Sinderen D

Remodeling of the gut microbiome during Ramadan-associated intermittent fasting.

The American journal of clinical nutrition , Volume: 113 Issue: 5 2021 May 8

Authors Su J,Wang Y,Zhang X,Ma M,Xie Z,Pan Q,Ma Z,Peppelenbosch MP

The Anti-Inflammatory Effect and Mucosal Barrier Protection of Clostridium butyricum RH2 in Ceftriaxone-Induced Intestinal Dysbacteriosis.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Li Y,Liu M,Liu H,Sui X,Liu Y,Wei X,Liu C,Cheng Y,Ye W,Gao B,Wang X,Lu Q,Cheng H,Zhang L,Yuan J,Li M

Saccharomyces boulardii ameliorates gut dysbiosis associated cognitive decline.

Physiology & behavior , Volume: 236 2021 Jul 1

Authors Roy Sarkar S,Mitra Mazumder P,Chatterjee K,Sarkar A,Adhikary M,Mukhopadhyay K,Banerjee S

Lactacaseibacillus paracasei PS23 Effectively Modulates Gut Microbiota Composition and Improves Gastrointestinal Function in Aged SAMP8 Mice.

Nutrients , Volume: 13 Issue: 4 2021 Mar 29

Authors Chen LH,Wang MF,Chang CC,Huang SY,Pan CH,Yeh YT,Huang CH,Chan CH,Huang HY

Metagenomic Insight: Dietary Thiamine Supplementation Promoted the Growth of Carbohydrate-Associated Microorganisms and Enzymes in the Rumen of Saanen Goats Fed High-Concentrate Diets.

Microorganisms , Volume: 9 Issue: 3 2021 Mar 18

Authors Zhang Y,Wang C,Peng A,Zhang H,Wang H

Cloudy Apple Juice Fermented by *Lactobacillus* Prevents Obesity via Modulating Gut Microbiota and Protecting Intestinal Tract Health.

Nutrients , Volume: 13 Issue: 3 2021 Mar 17

Authors Han M,Zhang M,Wang X,Bai X,Yue T,Gao Z

A Polyphenol Enriched Variety of Apple Alters Circulating Immune Cell Gene Expression and Faecal Microbiota Composition in Healthy Adults: A Randomized Controlled Trial.

Nutrients , Volume: 13 Issue: 4 2021 Mar 27

Authors Barnett MPG,Young W,Armstrong K,Brewster D,Cooney JM,Ellett S,Espley RV,Laing W,Maclean P,McGhie T,Pringle G,Roy NC,Ferguson LR

Ingestion of High β -Glucan Barley Flour Enhances the Intestinal Immune System of Diet-Induced Obese Mice by Prebiotic Effects.

Nutrients , Volume: 13 Issue: 3 2021 Mar 11

Authors Mio K,Otake N,Nakashima S,Matsuoka T,Aoe S

[Ginger-separated moxibustion for chronic fatigue syndrome and its effect on intestinal flora].

Zhongguo zhen jiu = Chinese acupuncture & moxibustion , Volume: 41 Issue: 3 2021 Mar 12

Authors Lin YF,Jin XQ,Zhu JF,Chen YD,Sheng JL,He JJ,Jin YY

Sulfoquinovose is a select nutrient of prominent bacteria and a source of hydrogen sulfide in the human gut.

The ISME journal , 2021 Mar 31

Authors Hanson BT,Dimitri Kits K,Löffler J,Burrichter AG,Fiedler A,Denger K,Frommeyer B,Herbold CW,Rattei T,Karcher N,Segata N,Schleheck D,Loy A

Fasting alters the gut microbiome reducing blood pressure and body weight in metabolic syndrome patients.

Nature communications , Volume: 12 Issue: 1 2021 Mar 30

Authors Maifeld A,Bartolomaeus H,Löber U,Avery EG,Steckhan N,Markó L,Wilck N,Hamad I,Šušnjar U,Mähler A,Hohmann C,Chen CY,Cramer H,Dobos G,Lesker TR,Strowig T,Dechend R,Bzdok D,Kleinewietfeld M,Michalsen A,Müller DN,Forslund SK

Lactobacillus acidophilus LA5 improves saturated fat-induced obesity mouse model through the enhanced intestinal *Akkermansia muciniphila*.

Scientific reports , Volume: 11 Issue: 1 2021 Mar 18

Authors Ondee T,Pongpirul K,Visitchanakun P,Saisorn W,Kanacharoen S,Wongsaroj L,Kullapanich C,Ngamwongsatit N,Settachaimongkon S,Somboonna N,Leelahavanichkul A

High-Fiber, Whole-Food Dietary Intervention Alters the Human Gut Microbiome but Not Fecal Short-Chain Fatty Acids.

mSystems , Volume: 6 Issue: 2 2021 Mar 16

Authors Oliver A,Chase AB,Weihe C,Orchanian SB,Riedel SF,Hendrickson CL,Lay M,Sewall JM,Martiny JBH,Whiteson K

Beverages containing *Lactobacillus paracasei* LC-37 improved functional dyspepsia through regulation of the intestinal microbiota and their metabolites.

Journal of dairy science , 2021 Mar 10

Authors Sun E,Zhang X,Zhao Y,Li J,Sun J,Mu Z,Wang R

Effect of Blueberry Anthocyanin-Rich Extracts on Peripheral and Hippocampal Antioxidant Defensiveness: The Analysis of the Serum Fatty Acid Species and Gut Microbiota Profile.

Journal of agricultural and food chemistry , Volume: 69 Issue: 12 2021 Mar 31

Authors Si X,Bi J,Chen Q,Cui H,Bao Y,Tian J,Shu C,Wang Y,Tan H,Zhang W,Chen Y,Li B

Lactobacillus paracasei DTA81, a cholesterol-lowering strain having immunomodulatory activity, reveals gut microbiota regulation capability in BALB/c mice receiving high-fat diet.

Journal of applied microbiology , Volume: 131 Issue: 4 2021 Oct

Authors Tarrah A,Dos Santos Cruz BC,Sousa Dias R,da Silva Duarte V,Pakroo S,Licursi de Oliveira L,Gouveia Peluzio MC,Corich V,Giacomini A,Oliveira de Paula S

Gut Microbiota Variation With Short-Term Intake of Ginger Juice on Human Health.

Frontiers in microbiology , Volume: 11 2020

Authors Wang X,Zhang D,Jiang H,Zhang S,Pang X,Gao S,Zhang H,Zhang S,Xiao Q,Chen L,Wang S,Qi D,Li Y

Avenanthramide Metabotype from Whole-Grain Oat Intake is Influenced by *Faecalibacterium prausnitzii* in Healthy Adults.

The Journal of nutrition , Volume: 151 Issue: 6 2021 Jun 1

Authors Wang P,Zhang S,Yerke A,Ohland CL,Gharaibeh RZ,Fouladi F,Fodor AA,Jobin C,Sang S

[Ramadan Fasting Leads to Shifts in Human Gut Microbiota Structured by Dietary Composition.](#)

Frontiers in microbiology , Volume: 12 2021

Authors Ali I,Liu K,Long D,Faisal S,Hilal MG,Ali I,Huang X,Long R

[Effects of Bacillus pumilus on growth performance, immunological indicators and gut microbiota of mice.](#)

Journal of animal physiology and animal nutrition , Volume: 105 Issue: 4 2021 Jul

Authors Zhang N,Wang L,Wei Y

[Gut Microbiota Bacterial Species Associated with Mediterranean Diet-Related Food Groups in a Northern Spanish Population.](#)

Nutrients , Volume: 13 Issue: 2 2021 Feb 16

Authors Rosés C,Cuevas-Sierra A,Quintana S,Riezu-Boj JI,Martínez JA,Milagro FI,Barceló A

[Lactobacillus plantarum and Bifidobacterium bifidum alleviate dry eye in mice with exorbital lacrimal gland excision by modulating gut inflammation and microbiota.](#)

Food & function , Volume: 12 Issue: 6 2021 Mar 21

Authors Yun SW,Son YH,Lee DY,Shin YJ,Han MJ,Kim DH

[Navy Bean Supplementation in Established High-Fat Diet-Induced Obesity Attenuates the Severity of the Obese Inflammatory Phenotype.](#)

Nutrients , Volume: 13 Issue: 3 2021 Feb 26

Authors Monk JM,Wu W,Lepp D,Pauls KP,Robinson LE,Power KA

[Effect of Quercetin on Lipids Metabolism Through Modulating the Gut Microbial and AMPK/PPAR Signaling Pathway in Broilers.](#)

Frontiers in cell and developmental biology , Volume: 9 2021

Authors Wang M,Wang B,Wang S,Lu H,Wu H,Ding M,Ying L,Mao Y,Li Y

[Effects of Banana Resistant Starch on the Biochemical Indexes and Intestinal Flora of Obese Rats Induced by a High-Fat Diet and Their Correlation Analysis.](#)

Frontiers in bioengineering and biotechnology , Volume: 9 2021

Authors Fu J,Wang Y,Tan S,Wang J

[The Therapeutic Efficacy of Curcumin vs. Metformin in Modulating the Gut Microbiota in NAFLD Rats: A Comparative Study.](#)

Frontiers in microbiology , Volume: 11 2020

Authors Li R,Yao Y,Gao P,Bu S

[The effect of acute moderate-intensity exercise on the serum and fecal metabolomes and the gut microbiota of cross-country endurance athletes.](#)

Scientific reports , Volume: 11 Issue: 1 2021 Feb 11

Authors Tabone M,Bressa C,García-Merino JA,Moreno-Pérez D,Van EC,Castelli FA,Fenaille F,Larrosa M

[Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial.](#)

European journal of nutrition , Volume: 60 Issue: 6 2021 Sep

Authors Neyrinck AM,Rodríguez J,Zhang Z,Seethaler B,Sánchez CR,Roumain M,Hiel S,Bindels LB,Cani PD,Paquot N,Cnop M,Nazare JA,Laville M,Muccioli GG,Bischoff SC,Walter J,Thissen JP,Delzenne NM

[Dietary intake of walnut prevented Helicobacter pylori-associated gastric cancer through rejuvenation of chronic atrophic gastritis.](#)

Journal of clinical biochemistry and nutrition , Volume: 68 Issue: 1 2021 Jan

Authors Park JM,Han YM,Park YJ,Hahn KB

[Prevention and Alleviation of Dextran Sulfate Sodium Salt-Induced Inflammatory Bowel Disease in Mice With Bacillus subtilis-Fermented Milk via Inhibition of the Inflammatory Responses and Regulation of the Intestinal Flora.](#)

Frontiers in microbiology , Volume: 11 2020

Authors Zhang X,Tong Y,Lyu X,Wang J,Wang Y,Yang R

[Effects of novel probiotic strains of Bacillus pumilus and Bacillus subtilis on production, gut health, and immunity of broiler chickens raised under suboptimal conditions.](#)

Poultry science , Volume: 100 Issue: 3 2021 Mar

Authors Bilal M,Si W,Barbe F,Chevaux E,Sienkiewicz O,Zhao X

[Effect of almond hulls as an alternative ingredient on broiler performance, nutrient digestibility, and cecal microbiota diversity.](#)

Poultry science , Volume: 100 Issue: 3 2021 Mar

Authors Wang J,Singh AK,Kong F,Kim WK

[Potential mechanisms underlying the ameliorative effect of Lactobacillus paracasei FZU103 on the lipid metabolism in hyperlipidemic mice fed a high-fat diet.](#)

Food research international (Ottawa, Ont.) , Volume: 139 2021 Jan

Authors Lv XC,Chen M,Huang ZR,Guo WL,Ai LZ,Bai WD,Yu XD,Liu YL,Rao PF,Ni L

Effect of probiotic Lactobacillus plantarum Dad-13 powder consumption on the gut microbiota and intestinal health of overweight adults.

World journal of gastroenterology , Volume: 27 Issue: 1 2021 Jan 7

Authors Rahayu ES,Mariyatun M,Putri Manurung NE,Hasan PN,Therdatha P,Mishima R,Komalasari H,Mahfuzah NA,Pamungkaningtyas FH,Yoga WK,Nurfiana DA,Liwan SY,Juffrie M,Nugroho AE,Utami T

Kale Attenuates Inflammation and Modulates Gut Microbial Composition and Function in C57BL/6J Mice with Diet-Induced Obesity.

Microorganisms , Volume: 9 Issue: 2 2021 Jan 24

Authors Shahinozzaman M,Raychaudhuri S,Fan S,Obanda DN

Wheat-durum pasta added of inactivated Bifidobacterium animalis decreases glucose and total cholesterol levels and modulates gut microbiota in healthy rats.

International journal of food sciences and nutrition , Volume: 72 Issue: 6 2021 Sep

Authors Almada CN,Almada-Érix CN,Costa WKA,Graça JS,Cabral L,Noronha MF,Gonçalves AESS,Santos AD,Lollo PC,Magnani M,Sant'Ana AS

Effect of dietary inclusion of dried apple pomace on faecal butyrate concentration and modulation of gut microbiota in dogs.

Archives of animal nutrition , Volume: 75 Issue: 1 2021 Feb

Authors de Brito CBM,Menezes Souza CM,Bastos TS,Mesa D,Oliveira SG,Félix AP

Long-term diet quality is associated with gut microbiome diversity and composition among urban Chinese adults.

The American journal of clinical nutrition , Volume: 113 Issue: 3 2021 Mar 11

Authors Yu D,Nguyen SM,Yang Y,Xu W,Cai H,Wu J,Cai Q,Long J,Zheng W,Shu XO

Pharmacological Therapy Determines the Gut Microbiota Modulation by a Pomegranate Extract Nutraceutical in Metabolic Syndrome: A Randomized Clinical Trial.

Molecular nutrition & food research , Volume: 65 Issue: 6 2021 Mar

Authors Cortés-Martín A,Iglesias-Aguirre CE,Meoro A,Selma MV,Espín JC

A pilot study on the relationship between Lactobacillus, Bifidobacterium counts and inflammatory factors following exercise training.

Archives of physiology and biochemistry , Volume: 129 Issue: 3 2023 Jun

Authors Mahdih MS,Maryam J,Bita B,Neda F,Motahare M,Mahboobeh B,LeBris S Q,Kalani Behrooz S

California strawberry consumption increased the abundance of gut microorganisms related to lean body weight, health and longevity in healthy subjects.

Nutrition research (New York, N.Y.) , Volume: 85 2021 Jan

Authors Ezzat-Zadeh Z,Henning SM,Yang J,Woo SL,Lee RP,Huang J,Thames G,Gilbuena I,Tseng CH,Heber D,Li Z

Almond consumption affects fecal microbiota composition, stool pH, and stool moisture in overweight and obese adults with elevated fasting blood glucose: A randomized controlled trial.

Nutrition research (New York, N.Y.) , Volume: 85 2021 Jan

Authors Choo JM,Tran CD,Luscombe-Marsh ND,Stonehouse W,Bowen J,Johnson N,Thompson CH,Watson EJ,Brinkworth GD,Rogers GB

Inulin ameliorates schizophrenia via modulation of the gut microbiota and anti-inflammation in mice.

Food & function , Volume: 12 Issue: 3 2021 Feb 15

Authors Guo L,Xiao P,Zhang X,Yang Y,Yang M,Wang T,Lu H,Tian H,Wang H,Liu J

Dietary Inulin Supplementation Modulates Short-Chain Fatty Acid Levels and Cecum Microbiota Composition and Function in Chickens Infected With Salmonella.

Frontiers in microbiology , Volume: 11 2020

Authors Song J,Li Q,Everaert N,Liu R,Zheng M,Zhao G,Wen J

The Effect of Xylooligosaccharide, Xylan, and Whole Wheat Bran on the Human Gut Bacteria.

Frontiers in microbiology , Volume: 11 2020

Authors Chen M,Liu S,Imam KMSU,Sun L,Wang Y,Gu T,Wen B,Xin F

Combined Lycium barbarum polysaccharides and C-phycocyanin increase gastric Bifidobacterium relative abundance and protect against gastric ulcer caused by aspirin in rats.

Nutrition & metabolism , Volume: 18 Issue: 1 2021 Jan 6

Authors Hsieh SY,Lian YZ,Lin IH,Yang YC,Tinkov AA,Skalny AV,Chao JC

Blueberry and cranberry anthocyanin extracts reduce bodyweight and modulate gut microbiota in C57BL/6J mice fed with a high-fat diet.

European journal of nutrition , 2021 Jan 3

Authors Liu J,Hao W,He Z,Kwek E,Zhu H,Ma N,Ma KY,Chen ZY

Probiotic Lactobacillus rhamnosus GG Promotes Mouse Gut Microbiota Diversity and T Cell Differentiation.

Frontiers in microbiology , Volume: 11 2020

Authors Shi CW,Cheng MY,Yang X,Lu YY,Yin HD,Zeng Y,Wang RY,Jiang YL,Yang WT,Wang JZ,Zhao DD,Huang HB,Ye LP,Cao XG,Wang GL,Wang CF

[Inulin Exerts Beneficial Effects on Non-Alcoholic Fatty Liver Disease via Modulating gut Microbiome and Suppressing the Lipopolysaccharide-Toll-Like Receptor 4-M²-Nuclear Factor- \$\kappa\$ B-Nod-Like Receptor Protein 3 Pathway via gut-Liver Axis in Mice.](#)

Frontiers in pharmacology , Volume: 11 2020

Authors Bao T,He F,Zhang X,Zhu L,Wang Z,Lu H,Wang T,Li Y,Yang S,Wang H

[Pomegranate peel extract ameliorates the severity of experimental autoimmune encephalomyelitis via modulation of gut microbiota.](#)

Gut microbes , Volume: 12 Issue: 1 2020 Nov 9

Authors Lu XY,Han B,Deng X,Deng SY,Zhang YY,Shen PX,Hui T,Chen RH,Li X,Zhang Y

[Flexibility of Gut Microbiota in Ageing Individuals during Dietary Fiber Long-Chain Inulin Intake.](#)

Molecular nutrition & food research , Volume: 65 Issue: 4 2021 Feb

Authors Kiewiet MBG,Elderman ME,El Aidy S,Burgerhof JGM,Visser H,Vaughan EE,Faas MM,de Vos P

[Dietary Fiber Intake Alters Gut Microbiota Composition but Does Not Improve Gut Wall Barrier Function in Women with Future Hypertensive Disorders of Pregnancy.](#)

Nutrients , Volume: 12 Issue: 12 2020 Dec 17

Authors Tomsett KI,Barrett HL,Dekker EE,Callaway LK,McIntyre DH,Dekker Nitert M

[Diet Rich in Simple Sugars Promotes Pro-Inflammatory Response via Gut Microbiota Alteration and TLR4 Signaling.](#)

Cells , Volume: 9 Issue: 12 2020 Dec 16

Authors Fajstova A,Galanova N,Coufal S,Malkova J,Kostovcik M,Cermakova M,Pelantova H,Kuzma M,Sediva B,Hudcovic T,Hrncir T,Taskalova-Hogenova H,Kverka M,Kostovcikova K

[Exopolysaccharides from Lactobacillus plantarum YW11 improve immune response and ameliorate inflammatory bowel disease symptoms.](#)

Acta biochimica Polonica , Volume: 67 Issue: 4 2020 Dec 17

Authors Min Z,Xiaona H,Aziz T,Jian Z,Zhennai Y

[Chemoprevention of DMH-Induced Early Colon Carcinogenesis in Male BALB/c Mice by Administration of Lactobacillus Paracasei DTA81.](#)

Microorganisms , Volume: 8 Issue: 12 2020 Dec 14

Authors da Silva Duarte V,Dos Santos Cruz BC,Tarrah A,Sousa Dias R,de Paula Dias Moreira L,Lemos Junior WJF,Fidélis Silva LC,Rocha Santana G,Licursi de Oliveira L,Gouveia Peluzio MDC,Mantovani HC,Corich V,Giacomini A,de Paula SO

[The Fungal Microbiome and Asthma.](#)

Frontiers in cellular and infection microbiology , Volume: 10 2020

Authors van Tilburg Bernardes E,Gutierrez MW,Arrieta MC

[Exopolysaccharide Producing Bifidobacterium animalis subsp. lactis Strains Modify the Intestinal Microbiota and the Plasmatic Cytokine Levels of BALB/c Mice According to the Type of Polymer Synthesized.](#)

Frontiers in microbiology , Volume: 11 2020

Authors Sabater C,Molinero-García N,Castro-Bravo N,Diez-Echave P,Hidalgo-García L,Delgado S,Sánchez B,Gálvez J,Margolles A,Ruas-Madiedo P

[Effect of Bifidobacterium animalis subsp. lactis MIN-Gup on constipation and the composition of gut microbiota.](#)

Beneficial microbes , 2020 Dec 14

Authors Wang R,Sun J,Li G,Zhang M,Niu T,Kang X,Zhao H,Chen J,Sun E,Li Y

[Cow, Goat, and Mare Milk Diets Differentially Modulated the Immune System and Gut Microbiota of Mice Colonized by Healthy Infant Feces.](#)

Journal of agricultural and food chemistry , Volume: 68 Issue: 51 2020 Dec 23

Authors Li N,Xie Q,Chen Q,Evivie SE,Liu D,Dong J,Huo G,Li B

[Administration of Saccharomyces boulardii maffio-1701 improves feed conversion ratio, promotes antioxidant capacity, alleviates intestinal inflammation and modulates gut microbiota in weaned piglets.](#)

Journal of animal science and biotechnology , Volume: 11 Issue: 1 2020 Dec 4

Authors Zhang W,Bao C,Wang J,Zang J,Cao Y

[Bacillus amyloliquefaciens TL106 protects mice against enterohaemorrhagic Escherichia coli O157:H7-induced intestinal disease through improving immune response, intestinal barrier function and gut microbiota.](#)

Journal of applied microbiology , Volume: 131 Issue: 1 2021 Jul

Authors Bao CL,Liu SZ,Shang ZD,Liu YJ,Wang J,Zhang WX,Dong B,Cao YH

[Lycium barbarum polysaccharide attenuates myocardial injury in high-fat diet-fed mice through manipulating the gut microbiome and fecal metabolome.](#)

Food research international (Ottawa, Ont.) , Volume: 138 Issue: Pt B 2020 Dec

Authors Zhang Z,Liu H,Yu B,Tao H,Li J,Wu Z,Liu G,Yuan C,Guo L,Cui B

Modulation of gut microbiota and intestinal barrier function during alleviation of antibiotic-associated diarrhea with *Rhizoma Zingiber officinale* (Ginger) extract.

Food & function , Volume: 11 Issue: 12 2020 Dec 1

Authors Ma ZJ ,Wang HJ ,Ma XJ ,Li Y ,Yang HJ ,Li H ,Su JR ,Zhang CE ,Huang LQ

Yeast β -glucan, a potential prebiotic, showed a similar probiotic activity to inulin.

Food & function , Volume: 11 Issue: 12 2020 Dec 1

Authors Wang H ,Chen G ,Li X ,Zheng F ,Zeng X

Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.

European journal of nutrition , 2020 Nov 22

Authors Xu H ,Ma C ,Zhao F ,Chen P ,Liu Y ,Sun Z ,Cui L ,Kwok LY ,Zhang H

Lactobacillus plantarum relieves diarrhea caused by enterotoxin-producing *Escherichia coli* through inflammation modulation and gut microbiota regulation.

Food & function , Volume: 11 Issue: 12 2020 Dec 1

Authors Yue Y ,He Z ,Zhou Y ,Ross RP ,Stanton C ,Zhao J ,Zhang H ,Yang B ,Chen W

Modulation of the Gut Microbiome and Obesity Biomarkers by *Lactobacillus Plantarum* KC28 in a Diet-Induced Obesity Murine Model.

Probiotics and antimicrobial proteins , 2020 Nov 14

Authors Huang E ,Kim S ,Park H ,Park S ,Ji Y ,Todorov SD ,Lim SD ,Holzapfel WH

Minor Changes in the Composition and Function of the Gut Microbiota During a 12-Week Whole Grain Wheat or Refined Wheat Intervention Correlate with Liver Fat in Overweight and Obese Adults.

The Journal of nutrition , Volume: 151 Issue: 3 2021 Mar 11

Authors van Trijp MPH ,Schutte S ,Esser D ,Wopereis S ,Hoevenaars FPM ,Hooiveld GJEJ ,Afman LA

Effect of Five Commercial Probiotic Formulations on *Candida Albicans* Growth: In Vitro Study.

The Journal of clinical pediatric dentistry , Volume: 44 Issue: 5 2020 Sep 1

Authors Hernández-Bautista LM ,Márquez-Preciado R ,Ortiz-Magdaleno M ,Pozos-Guillén A ,Aranda-Romo S ,Sánchez-Vargas LO

Alcohol decreases intestinal ratio of *Lactobacillus* to *Enterobacteriaceae* and induces hepatic immune tolerance in a murine model of DSS-colitis.

Gut microbes , Volume: 12 Issue: 1 2020 Nov 9

Authors Kuprys PV ,Cannon AR ,Shieh J ,Iftekhar N ,Park SK ,Eberhardt JM ,Ding X ,Choudhry MA

Differential Responses to Dietary Protein and Carbohydrate Ratio on Gut Microbiome in Obese vs. Lean Cats.

Frontiers in microbiology , Volume: 11 2020

Authors Li Q ,Pan Y

Alginate- and Gelatin-Coated Apple Pieces as Carriers for *Bifidobacterium animalis* subsp. *lactis* DSM 10140.

Frontiers in microbiology , Volume: 11 2020

Authors Campaniello D ,Bevilacqua A ,Speranza B ,Sinigaglia M ,Corbo MR

The Effect of *Bacillus licheniformis*-Fermented Products and Postpartum Dysgalactia Syndrome on Litter Performance Traits, Milk Composition, and Fecal Microbiota in Sows.

Animals : an open access journal from MDPI , Volume: 10 Issue: 11 2020 Nov 5

Authors Yu YH ,Hsu TY ,Chen WJ ,Hornig YB ,Cheng YH

[Influence of *Lactobacillus reuteri* SLO01 on intestinal microbiota in AD model mice and C57BL/6 mice].

Sheng wu gong cheng xue bao = Chinese journal of biotechnology , Volume: 36 Issue: 9 2020 Sep 25

Authors Liu M ,Hu R ,Guo Y ,Sun W ,Li J ,Fan M ,Wang Y ,Du H ,Tang Z ,Chai C

Chicory ameliorates hyperuricemia via modulating gut microbiota and alleviating LPS/TLR4 axis in quail.

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 131 2020 Nov

Authors Bian M ,Wang J ,Wang Y ,Nie A ,Zhu C ,Sun Z ,Zhou Z ,Zhang B

Enterococcus faecium R0026 combined with *Bacillus subtilis* R0179 prevent obesity-associated hyperlipidaemia and modulate gut microbiota in C57BL/6 mice.

Journal of microbiology and biotechnology , 2020 Oct 20

Authors Huang J ,Huang J ,Yin T ,Lv H ,Zhang P ,Li H

Pinto beans modulate the gut microbiome, augment MHC II protein, and antimicrobial peptide gene expression in mice fed a normal or western-style diet.

The Journal of nutritional biochemistry , Volume: 88 2021 Feb

Authors Ojo BA ,Lu P ,Alake SE ,Keirns B ,Anderson K ,Gallucci G ,Hart MD ,El-Rassi GD ,Ritchey JW ,Chowanadisai W ,Lin D ,Clarke S ,Smith BJ ,Lucas EA

Anti-inflammatory *Bifidobacterium* strains prevent dextran sodium sulfate induced colitis and associated gut microbial dysbiosis in mice.

Scientific reports , Volume: 10 Issue: 1 2020 Oct 29

- Authors Singh S,Bhatia R,Khare P,Sharma S,Rajarammohan S,Bishnoi M,Bhadada SK,Sharma SS,Kaur J,Kondepudi KK**
Influence of fermented soy protein consumption on hypertension and gut microbial modulation in spontaneous hypertensive rats.
Bioscience of microbiota, food and health , Volume: 39 Issue: 4 2020
Authors Daliri EB,Ofosu FK,Chelliah R,Lee BH,An H,Elahi F,Barathikannan K,Kim JH,Oh DH
Inulin supplementation ameliorates hyperuricemia and modulates gut microbiota in Uox-knockout mice.
European journal of nutrition , Volume: 60 Issue: 4 2021 Jun
Authors Guo Y,Yu Y,Li H,Ding X,Li X,Jing X,Chen J,Liu G,Lin Y,Jiang C,Liu Z,He Y,Li C,Tian Z
Assessing the Effects of Ginger Extract on Polyphenol Profiles and the Subsequent Impact on the Fecal Microbiota by Simulating Digestion and Fermentation In Vitro.
Nutrients , Volume: 12 Issue: 10 2020 Oct 19
Authors Wang J,Chen Y,Hu X,Feng F,Cai L,Chen F
The in vitro Effects of the Probiotic Strain, Lactobacillus casei ZX633 on Gut Microbiota Composition in Infants With Diarrhea.
Frontiers in cellular and infection microbiology , Volume: 10 2020
Authors Wang X,Zhang M,Wang W,Lv H,Zhang H,Liu Y,Tan Z
Distinct Effects of Milks From Various Animal Types on Infant Fecal Microbiota Through in vitro Fermentations.
Frontiers in microbiology , Volume: 11 2020
Authors Li N,Li B,Guan J,Shi J,Evivie SE,Zhao L,Huo G,Wang S
Oat bran and wheat bran impact net energy by shaping microbial communities and fermentation products in pigs fed diets with or without xylanase.
Journal of animal science and biotechnology , Volume: 11 2020
Authors Lyu Z,Wang L,Wang J,Wang Z,Zhang S,Wang J,Cheng J,Lai C
Dietary Epigallocatechin-3-Gallate Alters the Gut Microbiota of Obese Diabetic db/db Mice: Lactobacillus Is a Putative Target.
Journal of medicinal food , Volume: 23 Issue: 10 2020 Oct
Authors Park JM,Shin Y,Kim SH,Jin M,Choi JJ
Bacillus subtilis and Enterococcus faecium co-fermented feed regulates lactating sow's performance, immune status and gut microbiota.
Microbial biotechnology , Volume: 14 Issue: 2 2021 Mar
Authors Wang C,Wei S,Xu B,Hao L,Su W,Jin M,Wang Y
An Almond-Based Low Carbohydrate Diet Improves Depression and Glycometabolism in Patients with Type 2 Diabetes through Modulating Gut Microbiota and GLP-1: A Randomized Controlled Trial.
Nutrients , Volume: 12 Issue: 10 2020 Oct 3
Authors Ren M,Zhang H,Qi J,Hu A,Jiang Q,Hou Y,Feng Q,Ojo O,Wang X
Intermittent Fasting Improves Cardiometabolic Risk Factors and Alters Gut Microbiota in Metabolic Syndrome Patients.
The Journal of clinical endocrinology and metabolism , Volume: 106 Issue: 1 2021 Jan 1
Authors Guo Y,Luo S,Ye Y,Yin S,Fan J,Xia M
Effect of Combined Live Probiotics Alleviating the Gastrointestinal Symptoms of Functional Bowel Disorders.
Gastroenterology research and practice , Volume: 2020 2020
Authors Shi J,Gao F,Zhang J
Bifidobacterium bifidum TMC3115 ameliorates milk protein allergy in by affecting gut microbiota: A randomized double-blind control trial.
Journal of food biochemistry , Volume: 44 Issue: 11 2020 Nov
Authors Jing W,Liu Q,Wang W
The Influence of Essential Oils on Gut Microbial Profiles in Pigs.
Animals : an open access journal from MDPI , Volume: 10 Issue: 10 2020 Sep 24
Authors Ruzauskas M,Bartkiene E,Stankevicius A,Bernatoniene J,Zadeike D,Lele V,Starkute V,Zavistanaviciute P,Grigas J,Zokaityte E,Pautienius A,Juodeikiene G,Jakstas V
Highland Barley Whole Grain (Hordeum vulgare L.) Ameliorates Hyperlipidemia by Modulating Cecal Microbiota, miRNAs, and AMPK Pathways in Leptin Receptor-Deficient db/db Mice.
Journal of agricultural and food chemistry , Volume: 68 Issue: 42 2020 Oct 21
Authors Deng N,He Z,Guo R,Zheng B,Li T,Liu RH
Berry Polyphenols and Fibers Modulate Distinct Microbial Metabolic Functions and Gut Microbiota Enterotype-Like Clustering in Obese Mice.
Frontiers in microbiology , Volume: 11 2020
Authors Rodríguez-Daza MC,Roquim M,Dudonné S,Pilon G,Levy E,Marette A,Roy D,Desjardins Y
Does Curcumin Have a Role in the Interaction between Gut Microbiota and Schistosoma mansoni in Mice?
Pathogens (Basel, Switzerland) , Volume: 9 Issue: 9 2020 Sep 19
Authors Anter A,El-Ghany MA,Abou El Dahab M,Mahana N

Feasibility and effects on the gut microbiota of a 12-week high-intensity interval training plus lifestyle education intervention on inactive adults with celiac disease.

Applied physiology, nutrition, and metabolism = Physiologie appliquee, nutrition et metabolisme , Volume: 46 Issue: 4 2021 Apr

Authors Warbeck C,Dowd AJ,Kronlund L,Parmer C,Daun JT,Wytsma-Fisher K,Millet GY,Schick A,Reimer RA,Fung T,Culos-Reed SN

Modulatory Effects of Triphala and Manjistha Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.

Journal of alternative and complementary medicine (New York, N.Y.) , 2020 Sep 18

Authors Peterson CT,Pourang A,Dhaliwal S,Kohn JN,Uchitel S,Singh H,Mills PJ,Peterson SN,Sivamani RK

Exercise Preconditioning Attenuates the Response to Experimental Colitis and Modifies Composition of Gut Microbiota in Wild-Type Mice.

Life (Basel, Switzerland) , Volume: 10 Issue: 9 2020 Sep 14

Authors Cho J,Kim D,Kang H

Modifications of Gut Microbiota after Grape Pomace Supplementation in Subjects at Cardiometabolic Risk: A Randomized Cross-Over Controlled Clinical Trial.

Foods (Basel, Switzerland) , Volume: 9 Issue: 9 2020 Sep 11

Authors Ramos-Romero S,Martínez-Maqueda D,Hereu M,Amézqueta S,Torres JL,Pérez-Jiménez J

Relative abundance of the Prevotella genus within the human gut microbiota of elderly volunteers determines the inter-individual responses to dietary supplementation with wheat bran arabinoxylan-oligosaccharides.

BMC microbiology , Volume: 20 Issue: 1 2020 Sep 14

Authors Chung WSF,Walker AW,Bosscher D,Garcia-Campayo V,Wagner J,Parkhill J,Duncan SH,Flint HJ

Environmental and Intestinal Phylum Firmicutes Bacteria Metabolize the Plant Sugar Sulfoquinovose via a 6-Deoxy-6-sulfofructose Transaldolase Pathway.

iScience , Volume: 23 Issue: 9 2020 Aug 28

Authors Frommeyer B,Fiedler AW,Oehler SR,Hanson BT,Loy A,Franchini P,Spiteller D,Schleheck D

Intervention with kimchi microbial community ameliorates obesity by regulating gut microbiota.

Journal of microbiology (Seoul, Korea) , 2020 Sep 2

Authors Park SE,Kwon SJ,Cho KM,Seo SH,Kim EJ,Unno T,Bok SH,Park DH,Son HS

The effects of dairy and dairy derivatives on the gut microbiota: a systematic literature review.

Gut microbes , Volume: 12 Issue: 1 2020 Nov 9

Authors Aslam H,Marx W,Rocks T,Loughman A,Chandrasekaran V,Ruusunen A,Dawson SL,West M,Mullarkey E,Pasco JA,Jacka FN

A novel inulin-type fructan from Asparagus cochinchinensis and its beneficial impact on human intestinal microbiota.

Carbohydrate polymers , Volume: 247 2020 Nov 1

Authors Sun Q,Zhu L,Li Y,Cui Y,Jiang S,Tao N,Chen H,Zhao Z,Xu J,Dong C

Reciprocal Interactions between Epigallocatechin-3-gallate (EGCG) and Human Gut Microbiota In Vitro.

Journal of agricultural and food chemistry , Volume: 68 Issue: 36 2020 Sep 9

Authors Liu Z,de Bruijn WJC,Bruins ME,Vincken JP

Impacts of Habitual Diets Intake on Gut Microbial Counts in Healthy Japanese Adults.

Nutrients , Volume: 12 Issue: 8 2020 Aug 12

Authors Sugimoto T,Shima T,Amamoto R,Kaga C,Kado Y,Watanabe O,Shiinoki J,Iwazaki K,Shigemura H,Tsuji H,Matsumoto S

Sharing a β -Glucan Meal: Transcriptomic Eavesdropping on a Bacteroides ovatus-Subdoligranulum variabile-Hungatella hathewayi Consortium.

Applied and environmental microbiology , Volume: 86 Issue: 20 2020 Oct 1

Authors Centanni M,Sims IM,Bell TJ,Biswas A,Tannock GW

Nuts and their Effect on Gut Microbiota, Gut Function and Symptoms in Adults: A Systematic Review and Meta-Analysis of Randomised Controlled Trials.

Nutrients , Volume: 12 Issue: 8 2020 Aug 6

Authors Creedon AC,Hung ES,Berry SE,Whelan K

Lactobacillus plantarum PS128 Improves Physiological Adaptation and Performance in Triathletes through Gut Microbiota Modulation.

Nutrients , Volume: 12 Issue: 8 2020 Aug 1

Authors Huang WC,Pan CH,Wei CC,Huang HY

The effect of nut consumption (tree nuts and peanuts) on the gut microbiota of humans: a systematic review.

The British journal of nutrition , Volume: 125 Issue: 5 2021 Mar 14

Authors Fitzgerald E,Lambert K,Stanford J,Neale EP

Effect of High versus Low Dairy Consumption on the Gut Microbiome: Results of a Randomized, Cross-Over Study.

Nutrients , Volume: 12 Issue: 7 2020 Jul 17

Authors Swarte JC,Eelderink C,Douwes RM,Said MY,Hu S,Post A,Westerhuis R,Bakker SJL,Harmsen HJM

A Comprehensive Evaluation of the Impact of Bovine Milk Containing Different Beta-Casein Profiles on Gut Health of Ageing Mice.

Nutrients , Volume: 12 Issue: 7 2020 Jul 19

Authors Guantario B,Giribaldi M,Devirgiliis C,Finamore A,Colombino E,Capucchio MT,Evangalista R,Motta V,Zinno P,Cirrincone S,Antoniazzi S,Cavallarin L,Roselli M

Long-term Consumption of 2-O- β -D-Glucopyranosyl-L-ascorbic Acid from the Fruits of *Lycium barbarum* Modulates Gut Microbiota in C57BL/6 Mice.

Journal of agricultural and food chemistry , 2020 Jul 24

Authors Dong W,Huang K,Yan Y,Wan P,Peng Y,Zeng X,Cao Y

Enterococcus faecium Modulates the Gut Microbiota of Broilers and Enhances Phosphorus Absorption and Utilization.

Animals : an open access journal from MDPI , Volume: 10 Issue: 7 2020 Jul 20

Authors Wang W,Cai H,Zhang A,Chen Z,Chang W,Liu G,Deng X,Bryden WL,Zheng A

Effect of particle size of insoluble fibre on growth performance, apparent ileal digestibility and caecal microbial population in broiler chickens fed barley-containing diets.

British poultry science , Volume: 61 Issue: 6 2020 Dec

Authors Pourazadi Z,Salari S,Tabandeh MR,Abdollahi MR

Early supplementation of *Saccharomyces cerevisiae* boulardii CNCM I-1079 in newborn dairy calves increases IgA production in the intestine at 1 week of age.

Journal of dairy science , Volume: 103 Issue: 9 2020 Sep

Authors Villot C,Chen Y,Pedgerachny K,Chaucheyras-Durand F,Chevaux E,Skidmore A,Guan LL,Steele MA

Effects of banana powder (*Musa acuminata* Colla) on the composition of human fecal microbiota and metabolic output using in vitro fermentation.

Journal of food science , Volume: 85 Issue: 8 2020 Aug

Authors Tian DD,Xu XQ,Peng Q,Zhang YW,Zhang PB,Qiao Y,Shi B

Ameliorative effects and molecular mechanisms of vine tea on western diet-induced NAFLD.

Food & function , Volume: 11 Issue: 7 2020 Jul 1

Authors Xie K,He X,Chen K,Sakao K,Hou DX

Effect of banana pulp dietary fibers on metabolic syndrome and gut microbiota diversity in high-fat diet mice.

Journal of food biochemistry , 2020 Jul 14

Authors Wei G,Ye Y,Yan X,Chao X,Yang F,Wang M,Zhang W,Yuan C,Zeng Q

Anti-Obesity Effect of *Lactobacillus plantarum* LB818 Is Associated with Regulation of Gut Microbiota in High-Fat Diet-Fed Obese Mice.

Journal of medicinal food , Volume: 23 Issue: 7 2020 Jul

Authors Hussain A,Kwon MH,Kim HK,Lee HS,Cho JS,Lee YI

Dietary supplementation with *Bacillus subtilis* DSM 32315 alters the intestinal microbiota and metabolites in weaned piglets.

Journal of applied microbiology , 2020 Jul 6

Authors Ding H,Zhao X,Ma C,Gao Q,Yin Y,Kong X,He J

Exercise training modulates the gut microbiota profile and impairs inflammatory signaling pathways in obese children.

Experimental & molecular medicine , Volume: 52 Issue: 7 2020 Jul

Authors Quiroga R,Nistal E,Estébanez B,Porras D,Juárez-Fernández M,Martínez-Flórez S,García-Mediavilla MV,de Paz JA,González-Gallego J,Sánchez-Campos S,Cuevas MJ

Sulforaphane alter the microbiota and mitigate colitis severity on mice ulcerative colitis induced by DSS.

AMB Express , Volume: 10 Issue: 1 2020 Jul 3

Authors Zhang Y,Tan L,Li C,Wu H,Ran D,Zhang Z

Soy food intake associates with changes in the metabolome and reduced blood pressure in a gut microbiota dependent manner.

Nutrition, metabolism, and cardiovascular diseases : NMCD , 2020 May 18

Authors Shah RD,Tang ZZ,Chen G,Huang S,Ferguson JF

Green Tea Encourages Growth of *Akkermansia muciniphila*.

Journal of medicinal food , 2020 Jun 25

Authors Jeong HW,Kim JK,Kim AY,Cho D,Lee JH,Choi JK,Park M,Kim W

[Anti-microbial activity of *Rosmarinus officinalis* and *Zingiber officinale* extracts on the species of the genus *Candida* and on *Streptococcus pneumoniae*].

Annales pharmaceutiques francaises , Volume: 79 Issue: 1 2021 Jan

Authors Akroum S

Time-restricted feeding is associated with changes in human gut microbiota related to nutrient intake.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 78 2020 Oct

Authors Zeb F,Wu X,Chen L,Fatima S,Ijaz-UI-Haq,Chen A,Xu C,Jianglei R,Feng Q,Li M

The ameliorative effect of Lactobacillus plantarum Y44 oral administration on inflammation and lipid metabolism in obese mice fed with a high fat diet.

Food & function , Volume: 11 Issue: 6 2020 Jun 24

Authors Liu Y,Gao Y,Ma F,Sun M,Mu G,Tuo Y

Yeast β -glucan alleviates cognitive deficit by regulating gut microbiota and metabolites in A β (1)-(42)-induced AD-like mice.

International journal of biological macromolecules , Volume: 161 2020 Oct 15

Authors Xu M,Mo X,Huang H,Chen X,Liu H,Peng Z,Chen L,Rong S,Yang W,Xu S,Liu L

Thymus vulgaris L. Essential Oil Solid Formulation: Chemical Profile and Spasmodic and Antimicrobial Effects.

Biomolecules , Volume: 10 Issue: 6 2020 Jun 4

Authors Micucci M,Protti M,Aldini R,Frosini M,Corazza I,Marzetti C,Mattioli LB,Tocci G,Chiarini A,Mercolini L,Budriesi R

Oral Supplements of Combined Bacillus licheniformis Zhengchangsheng® and Xylooligosaccharides Improve High-Fat Diet-Induced Obesity and Modulate the Gut Microbiota in Rats.

BioMed research international , Volume: 2020 2020

Authors Li Y,Liu M,Liu H,Wei X,Su X,Li M,Yuan J

Dietary Emulsifier Sodium Stearoyl Lactylate Alters Gut Microbiota *in vitro* and Inhibits Bacterial Butyrate Producers.

Frontiers in microbiology , Volume: 11 2020

Authors Elmén L,Zamal JE,Scott DA,Lee RB,Chen DJ,Colas AR,Rodionov DA,Peterson SN

Low-Fat, High-Fiber Diet Reduces Markers of Inflammation and Dysbiosis and Improves Quality of Life in Patients With Ulcerative Colitis.

Clinical gastroenterology and hepatology : the official clinical practice journal of the American Gastroenterological Association , Volume: 19 Issue: 6 2021 Jun

Authors Fritsch J,Garces L,Quintero MA,Pignac-Kobinger J,Santander AM,Fernández I,Ban YJ,Kwon D,Phillips MC,Knight K,Mao Q,Santaolalla R,Chen XS,Maruthamuthu M,Solis N,Damas OM,Kerman DH,Deshpande AR,Lewis JE,Chen C,Abreu MT

Dietary supplementation with Lactobacillus plantarum modified gut microbiota, bile acid profile and glucose homeostasis in weaning piglets.

The British journal of nutrition , Volume: 124 Issue: 8 2020 Oct 28

Authors Lin S,Yang X,Long Y,Zhong H,Wang P,Yuan P,Zhang X,Che L,Feng B,Li J,Zhuo Y,Lin Y,Xu S,Wu D,Fang Z

Synergetic responses of intestinal microbiota and epithelium to dietary inulin supplementation in pigs.

European journal of nutrition , Volume: 60 Issue: 2 2021 Mar

Authors He J,Xie H,Chen D,Yu B,Huang Z,Mao X,Zheng P,Luo Y,Yu J,Luo J,Yan H

Effect of long-term consumption of tea (Camellia sinensis L.) flower polysaccharides on maintaining intestinal health in BALB/c mice.

Journal of food science , Volume: 85 Issue: 6 2020 Jun

Authors Chen D,Ding Y,Ye H,Sun Y,Zeng X

Gut Microbiome and Metabolome Response of Pu-erh Tea on Metabolism Disorder Induced by Chronic Alcohol Consumption.

Journal of agricultural and food chemistry , Volume: 68 Issue: 24 2020 Jun 17

Authors Liu Y,Luo Y,Wang X,Luo L,Sun K,Zeng L

Lactobacillus plantarum FRT10 alleviated high-fat diet-induced obesity in mice through regulating the PPAR α signal pathway and gut microbiota.

Applied microbiology and biotechnology , Volume: 104 Issue: 13 2020 Jul

Authors Cai H,Wen Z,Li X,Meng K,Yang P

Antimicrobial Efficacy of Five Probiotic Strains Against Helicobacter pylori.

Antibiotics (Basel, Switzerland) , Volume: 9 Issue: 5 2020 May 11

Authors Saracino IM,Pavoni M,Sacomanno L,Fiorini G,Pesci V,Foschi C,Piccirilli G,Bernardini G,Holton J,Figura N,Lazzarotto T,Borghi C,Vaira B

Characteristics of the Gut Microbiome of Healthy Young Male Soldiers in South Korea: The Effects of Smoking.

Gut and liver , Volume: 15 Issue: 2 2021 Mar 15

Authors Yoon H,Lee DH,Lee JH,Kwon JE,Shin CM,Yang SJ,Park SH,Lee JH,Kang SW,Lee JS,Kim BY

5-Heptadecylresorcinol, a Biomarker for Whole Grain Rye Consumption, Ameliorates Cognitive Impairments and Neuroinflammation in APP/PS1 Transgenic Mice.

Molecular nutrition & food research , Volume: 64 Issue: 11 2020 Jun

Authors Liu J,Wang Y,Wang Z,Hao Y,Bai W,Wang Z,Wang J

Effect of dietary fiber fermentation on short-chain fatty acid production and microbial composition in vitro.

Journal of the science of food and agriculture , Volume: 100 Issue: 11 2020 Aug 30

Authors Bai Y,Zhao JB,Tao SY,Zhou XJ,Pi Y,Gerrits WJ,Johnston LJ,Zhang SY,Yang HJ,Liu L,Zhang S,Wang JJ

Prebiotics effects in vitro of polysaccharides from tea flowers on gut microbiota of healthy persons and patients with inflammatory bowel disease.

International journal of biological macromolecules , Volume: 158 2020 May 3

Authors Chen D,Chen G,Chen C,Zeng X,Ye H

Efficacy of green tea and its extract, epigallocatechin-3-gallate, in the reduction of cariogenic microbiota in children: a randomized clinical trial.

Archives of oral biology , Volume: 114 2020 Jun

Authors Vilela MM,Salvador SL,Teixeira IGL,Del Arco MCG,De Rossi A

Supplemental <i>Clostridium butyricum</i> Modulates Lipid Metabolism Through Shaping Gut Microbiota and Bile Acid Profile of Aged Laying Hens.

Frontiers in microbiology , Volume: 11 2020

Authors Wang WW,Wang J,Zhang HJ,Wu SG,Qi GH

<i>Lactobacillus paracasei</i> subsp. <i>paracasei</i> NTU 101 lyophilized powder improves loperamide-induced constipation in rats.

Heliyon , Volume: 6 Issue: 4 2020 Apr

Authors Chen CL,Chao SH,Pan TM

Preventive Effects of Kaempferol on High-Fat Diet-Induced Obesity Complications in C57BL/6 Mice.

BioMed research international , Volume: 2020 2020

Authors Wang T,Wu Q,Zhao T

Lactobacillus plantarum NA136 ameliorates nonalcoholic fatty liver disease by modulating gut microbiota, improving intestinal barrier integrity, and attenuating inflammation.

Applied microbiology and biotechnology , Volume: 104 Issue: 12 2020 Jun

Authors Zhao Z,Chen L,Zhao Y,Wang C,Duan C,Yang G,Niu C,Li S

A Soluble Fiber Diet Increases Bacteroides fragilis Group Abundance and Immunoglobulin A Production in the Gut.

Applied and environmental microbiology , Volume: 86 Issue: 13 2020 Jun 17

Authors Nakajima A,Sasaki T,Itoh K,Kitahara T,Takema Y,Hiramatsu K,Ishikawa D,Shibuya T,Kobayashi O,Osada T,Watanabe S,Nagahara A

Effect of chicory inulin-type fructan-containing snack bars on the human gut microbiota in low dietary fiber consumers in a randomized crossover trial.

The American journal of clinical nutrition , Volume: 111 Issue: 6 2020 Jun 1

Authors Reimer RA,Soto-Vaca A,Nicolucci AC,Mayengbam S,Park H,Madsen KL,Menon R,Vaughan EE

Lactobacillus reuteri attenuated allergic inflammation induced by HDM in the mouse and modulated gut microbes.

PloS one , Volume: 15 Issue: 4 2020

Authors Li L,Fang Z,Liu X,Hu W,Lu W,Lee YK,Zhao J,Zhang H,Chen W

Effect of resveratrol on intestinal tight junction proteins and the gut microbiome in high-fat diet-fed insulin resistant mice.

International journal of food sciences and nutrition , Volume: 71 Issue: 8 2020 Dec

Authors Chen K,Zhao H,Shu L,Xing H,Wang C,Lu C,Song G

Effect of probiotics on gut microbiome in patients with administration of surgical antibiotic prophylaxis: A randomized controlled study.

Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , Volume: 26 Issue: 8 2020 Aug

Authors Kaku N,Matsumoto N,Sasaki D,Tsuda K,Kosai K,Uno N,Morinaga Y,Tagami A,Adachi S,Hasegawa H,Osaki M,Yanagihara K

Comparison of the prebiotic properties of native chicory and synthetic inulins using swine fecal cultures.

Bioscience, biotechnology, and biochemistry , Volume: 84 Issue: 7 2020 Jul

Authors Nakayama Y,Kawasaki N,Tamiya T,Anzai S,Toyohara K,Nishiyama A,Kitazono E

Consumption of two whole kiwifruit (Actinide chinensis) per day improves lipid homeostasis, fatty acid metabolism and gut microbiota in healthy rats.

International journal of biological macromolecules , Volume: 156 2020 Apr 9

Authors Alim A,Li T,Nisar T,Ren D,Liu Y,Yang X

Regulatory effects of Lactobacillus plantarum HY7714 on skin health by improving intestinal condition.

PloS one , Volume: 15 Issue: 4 2020

Authors Nam B,Kim SA,Park SD,Kim HJ,Kim JS,Bae CH,Kim JY,Nam W,Lee JL,Sim JH

Effectiveness of an oral care tablet containing kiwifruit powder in reducing oral bacteria in tongue coating: A crossover trial.

Clinical and experimental dental research , Volume: 6 Issue: 2 2020 Apr

Authors Matsumura Y,Hinode D,Fukui M,Yoshioka M,Asakuma H,Takii H

Grape Extract Activates Brown Adipose Tissue Through Pathway Involving the Regulation of Gut Microbiota and Bile Acid.

Molecular nutrition & food research , 2020 Apr 5

Authors Han X,Guo J,Yin M,Liu Y,You Y,Zhan J,Huang W

Bifidobacterium longum subsp. longum Remodeled Roseburia and Phosphatidylserine Levels and Ameliorated Intestinal Disorders and liver Metabolic Abnormalities Induced by High-Fat Diet.

Journal of agricultural and food chemistry , Volume: 68 Issue: 16 2020 Apr 22

Authors Wu T,Sun M,Liu R,Sui W,Zhang J,Yin J,Fang S,Zhu J,Zhang M

Chinese Propolis Prevents Obesity and Metabolism Syndromes Induced by a High Fat Diet and Accompanied by an Altered Gut Microbiota Structure in Mice.

Nutrients , Volume: 12 Issue: 4 2020 Mar 30

Authors Zheng Y,Wu Y,Tao L,Chen X,Jones TJ,Wang K,Hu F

Dynamic changes in gut microbiota under the influence of smoking and TNF- α -blocker in patients with ankylosing spondylitis.

Clinical rheumatology , Volume: 39 Issue: 9 2020 Sep

Authors Zhang F,Ma C,Zhang B,Bi L

Bifidobacterium animalis subsp. lactis 420 for Metabolic Health: Review of the Research.

Nutrients , Volume: 12 Issue: 4 2020 Mar 25

Authors Uusitupa HM,Rasinkangas P,Lehtinen MJ,Mäkelä SM,Airaksinen K,Angenius H,Ouwehand AC,Maukonen J

Effects of dietary inulin supplementation on growth performance, intestinal barrier integrity and microbial populations in weaned pigs.

The British journal of nutrition , Volume: 124 Issue: 3 2020 Aug 14

Authors Wang W,Chen D,Yu B,Huang Z,Mao X,Zheng P,Luo Y,Yu J,Luo J,Yan H,He J

The effects of daily fasting hours on shaping gut microbiota in mice.

BMC microbiology , Volume: 20 Issue: 1 2020 Mar 24

Authors Li L,Su Y,Li F,Wang Y,Ma Z,Li Z,Su J

Ethanol extract of propolis prevents high-fat diet-induced insulin resistance and obesity in association with modulation of gut microbiota in mice.

Food research international (Ottawa, Ont.) , Volume: 130 2020 Apr

Authors Cai W,Xu J,Li G,Liu T,Guo X,Wang H,Luo L

Randomised clinical trial: effect of low-FODMAP rye bread versus regular rye bread on the intestinal microbiota of irritable bowel syndrome patients: association with individual symptom variation.

BMC nutrition , Volume: 5 2019

Authors Laatikainen R,Jalanka J,Loponen J,Hongisto SM,Hillilä M,Koskenpato J,Korpela R,Salonen A

Rice bran attenuated obesity via alleviating dyslipidemia, browning of white adipocytes and modulating gut microbiota in high-fat diet-induced obese mice.

Food & function , Volume: 11 Issue: 3 2020 Mar 1

Authors Zou Y,Ju X,Chen W,Yuan J,Wang Z,Aluko RE,He R

Effect of *Saccharomyces boulardii* CNCM I-745 as complementary treatment of *Helicobacter pylori* infection on gut microbiome.

European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology , Volume: 39 Issue: 7 2020 Jul

Authors Cárdenas PA,Garcés D,Prado-Vivar B,Flores N,Fornasini M,Cohen H,Salvador I,Cargua O,Baldeón ME

Prebiotic inulin consumption reduces dioxin-like PCB 126-mediated hepatotoxicity and gut dysbiosis in hyperlipidemic Ldlr deficient mice.

Environmental pollution (Barking, Essex : 1987) , Volume: 261 2020 Jun

Authors Hoffman JB,Petriello MC,Morris AJ,Mottaleb MA,Sui Y,Zhou C,Deng P,Wang C,Hennig B

Stable Colonization of Orally Administered *Lactobacillus casei* SY13 Alters the Gut Microbiota.

BioMed research international , Volume: 2020 2020

Authors Yue Y,Xu X,Yang B,Lu J,Zhang S,Liu L,Nassar K,Zhang C,Zhang M,Pang X,Lv J

Effects of whole-grain wheat, rye, and lignan supplementation on cardiometabolic risk factors in men with metabolic syndrome: a randomized crossover trial.

The American journal of clinical nutrition , Volume: 111 Issue: 4 2020 Apr 1

Authors Eriksen AK,Brunius C,Mazidi M,Hellström PM,Risérus U,Iversen KN,Fristedt R,Sun L,Huang Y,Nørskov NP,Knudsen KEB,Kyrø C,Olsen A,Tjønneland A,Dicksved J,Landberg R

Short-Term Fermented Soybeans with *Bacillus amyloliquefaciens* Potentiated Insulin Secretion Capacity and Improved Gut Microbiome Diversity and Intestinal Integrity To Alleviate Asian Type 2 Diabetic Symptoms.

Journal of agricultural and food chemistry , Volume: 68 Issue: 46 2020 Nov 18

Authors Jeong DY,Daily JW,Lee GH,Ryu MS,Yang HJ,Jeong SY,Qiu JY,Zhang T,Park S

Structural changes in gut microbiome after Ramadan fasting: a pilot study.

Beneficial microbes , Volume: 11 Issue: 3 2020 May 11

Authors Ozkul C,Yalinay M,Karakan T

Wild blueberry proanthocyanidins shape distinct gut microbiota profile and influence glucose homeostasis and intestinal phenotypes in high-fat high-sucrose fed mice.

Scientific reports , Volume: 10 Issue: 1 2020 Feb 10

Authors Rodríguez-Daza MC, Daoust L, Boutkrabt L, Pilon G, Varin T, Dudonné S, Levy É, Marette A, Roy D, Desjardins Y

Milk fat influences proteolytic enzyme activity of dairy Pseudomonas species.

International journal of food microbiology , Volume: 320 2020 Jan 28

Authors Zhang D, Palmer J, Teh KH, Calinisan MMA, Flint S

Anti-obesity effects of α-amylase inhibitor enriched-extract from white common beans (Phaseolus vulgaris L.) associated with the modulation of gut microbiota composition in high-fat diet-induced obese rats.

Food & function , Volume: 11 Issue: 2 2020 Feb 26

Authors Shi Z, Zhu Y, Teng C, Yao Y, Ren G, Richel A

Bifidobacterium longum R0175 Protects Rats against d-Galactosamine-Induced Acute Liver Failure.

mSphere , Volume: 5 Issue: 1 2020 Jan 29

Authors Wang K, Lv L, Yan R, Wang Q, Jiang H, Wu W, Li Y, Ye J, Wu J, Yang L, Bian X, Jiang X, Lu Y, Xie J, Wang Q, Shen J, Li L

Effect of wheat bran derived prebiotic supplementation on gastrointestinal transit, gut microbiota, and metabolic health: a randomized controlled trial in healthy adults with a slow gut transit.

Gut microbes , Volume: 12 Issue: 1 2020 Nov 9

Authors Müller M, Hermes GDA, Emanuel E C, Holst JJ, Zoetendal EG, Smidt H, Troost F, Schaap FG, Damink SO, Jocken JWE, Lenaerts K, Masclee AAM, Blaak EE

Bifidobacterium longum-fermented rice bran and rice bran supplementation affects the gut microbiome and metabolome.

Beneficial microbes , Volume: 10 Issue: 8 2019 Dec 9

Authors Nealon NJ, Parker KD, Lahaie P, Ibrahim H, Maurya AK, Raina K, Ryan EP

Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.

Nutrients , Volume: 12 Issue: 1 2020 Jan 17

Authors Aljahdali N, Gadonna-Widehem P, Anton PM, Carbonero F

In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria.

Food research international (Ottawa, Ont.) , Volume: 128 2020 Feb

Authors Henrique-Bana FC, Wang X, Costa GN, Spinosa WA, Miglioranza LHS, Scorletti E, Calder PC, Byrne CD, Gibson GR

Clostridium butyricum Modulates the Microbiome to Protect Intestinal Barrier Function in Mice with Antibiotic-Induced Dysbiosis.

iScience , Volume: 23 Issue: 1 2020 Jan 24

Authors Hagihara M, Kuroki Y, Ariyoshi T, Higashi S, Fukuda K, Yamashita R, Matsumoto A, Mori T, Mimura K, Yamaguchi N, Okada S, Nonogaki T, Ogawa T, Iwasaki K, Tomono S, Asai N, Koizumi Y, Oka K, Yamagishi Y, Takahashi M, Mikamo H

Camellia sinensis and Litsea coreana Ameliorate Intestinal Inflammation and Modulate Gut Microbiota in Dextran Sulfate Sodium-Induced Colitis Mice.

Molecular nutrition & food research , Volume: 64 Issue: 6 2020 Mar

Authors Liu Y, Wang X, Chen Q, Luo L, Ma M, Xiao B, Zeng L

Dietary prophage inducers and antimicrobials: toward landscaping the human gut microbiome.

Gut microbes , 2020 Jan 13

Authors Boling L, Cuevas DA, Grasis JA, Kang HS, Knowles B, Levi K, Maughan H, McNair K, Rojas MI, Sanchez SE, Smurthwaite C, Rohwer F

Cell Wall Integrity of Pulse Modulates the in Vitro Fecal Fermentation Rate and Microbiota Composition.

Journal of agricultural and food chemistry , Volume: 68 Issue: 4 2020 Jan 29

Authors Guan N, He X, Wang S, Liu F, Huang Q, Fu X, Chen T, Zhang B

Rapid gut microbiome changes in a world-class ultramarathon runner.

Physiological reports , Volume: 7 Issue: 24 2019 Dec

Authors Grosicki GJ, Durk RP, Bagley JR

Food for thought about manipulating gut bacteria.

Nature , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM, Bindels LB

Islamic fasting leads to an increased abundance of Akkermansia muciniphila and Bacteroides fragilis group: A preliminary study on intermittent fasting.

The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology , Volume: 30 Issue: 12 2019 Dec

Authors Özkul C, Yalinay M, Karakan T

Walnuts and Vegetable Oils Containing Oleic Acid Differentially Affect the Gut Microbiota and Associations with Cardiovascular Risk Factors: Follow-up of a Randomized, Controlled, Feeding Trial in Adults at Risk for Cardiovascular Disease.

The Journal of nutrition , Volume: 150 Issue: 4 2020 Apr 1

Authors Tindall AM,McLimans CJ,Petersen KS,Kris-Etherton PM,Lamendella R

[Changes in human gut microbiota composition are linked to the energy metabolic switch during 10 d of Buchinger fasting.](#)

Journal of nutritional science , Volume: 8 2019

Authors Mesnage R,Grundler F,Schwartz A,Le Maho Y,Wilhelmi de Toledo F

[The Association Between Smoking and Gut Microbiome in Bangladesh.](#)

Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco , Volume: 22

Issue: 8 2020 Jul 16

Authors Nolan-Kenney R,Wu F,Hu J,Yang L,Kelly D,Li H,Jasmine F,Kibriya MG,Parvez F,Shaheen I,Sarwar G,Ahmed A,Eunus M,Islam T,Pei Z,Ahsan H,Chen Y

[Effects of High-Dose Genistein on the Hypothalamic RNA Profile and Intestinal Health of Female Chicks.](#)

Journal of agricultural and food chemistry , Volume: 67 Issue: 49 2019 Dec 11

Authors Lv Z,Hu C,Jiang J,Jin S,Wei Q,Wei X,Yu D,Shi F

[Dietary *Saccharomyces cerevisiae* boulardii CNCM I-1079 Positively Affects Performance and Intestinal Ecosystem in Broilers during a *Campylobacter jejuni* Infection.](#)

Microorganisms , Volume: 7 Issue: 12 2019 Nov 21

Authors Massacci FR,Lovito C,Tofani S,Tentellini M,Genovese DA,De Leo AAP,Papa P,Magistrali CF,Manuali E,Trabalza-Marinucci M,Moscato L,Forte C

[Apple polysaccharide could promote the growth of *Bifidobacterium longum*.](#)

International journal of biological macromolecules , Volume: 152 2020 Jun 1

Authors Li Y,Wang S,Sun Y,Zheng H,Tang Y,Gao X,Song C,Liu J,Long Y,Liu L,Mei Q

[Dietary intervention using \(1,3\)/\(1,6\)- \$\beta\$ -glucan, a fungus-derived soluble prebiotic ameliorates high-fat diet-induced metabolic distress and alters beneficially the gut microbiota in mice model.](#)

European journal of nutrition , Volume: 59 Issue: 6 2020 Sep

Authors Muthuramalingam K,Singh V,Choi C,Choi SI,Kim YM,Unno T,Cho M

[Phytochemical Profile, Bioactivity, and Prebiotic Potential of Bound Phenolics Released from Rice Bran Dietary Fiber during in Vitro Gastrointestinal Digestion and Colonic Fermentation.](#)

Journal of agricultural and food chemistry , Volume: 67 Issue: 46 2019 Nov 20

Authors Zhang X,Zhang M,Dong L,Jia X,Liu L,Ma Y,Huang F,Zhang R

[Urolithin Metabotypes Can Determine the Modulation of Gut Microbiota in Healthy Individuals by Tracking Walnuts Consumption over Three Days.](#)

Nutrients , Volume: 11 Issue: 10 2019 Oct 16

Authors García-Mantrana I,Calatayud M,Romo-Vaquero M,Espín JC,Selma MV,Collado MC

[Physiological and Biochemical Effects of Intrinsically High and Low Exercise Capacities Through Multiomics Approaches.](#)

Frontiers in physiology , Volume: 10 2019

Authors Tung YT,Hsu YJ,Liao CC,Ho ST,Huang CC,Huang WC

[The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.](#)

European journal of nutrition , 2019 Oct 11

Authors Hess AL,Benítez-Páez A,Blädel T,Larsen LH,Iglesias JR,Madera C,Sanz Y,Larsen TM,MyNewGut Consortium.

[Effects of grape pomace and seed polyphenol extracts on the recovery of gut microbiota after antibiotic treatment in high-fat diet-fed mice.](#)

Food science & nutrition , Volume: 7 Issue: 9 2019 Sep

Authors Lu F,Liu F,Zhou Q,Hu X,Zhang Y

[An examination of data from the American Gut Project reveals that the dominance of the genus *Bifidobacterium* is associated with the diversity and robustness of the gut microbiota.](#)

MicrobiologyOpen , Volume: 8 Issue: 12 2019 Dec

Authors Feng Y,Duan Y,Xu Z,Lyu N,Liu F,Liang S,Zhu B

[Bacillus coagulans R11 maintained intestinal villus health and decreased intestinal injury in lead-exposed mice by regulating the intestinal microbiota and influenced the function of faecal microRNAs.](#)

Environmental pollution (Barking, Essex : 1987) , Volume: 255 Issue: Pt 2 2019 Sep 13

Authors Xing SC,Huang CB,Mi JD,Wu YB,Liao XD

[Propolis modulates the gut microbiota and improves the intestinal mucosal barrier function in diabetic rats.](#)

Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 118 2019 Oct

Authors Xue M,Liu Y,Xu H,Zhou Z,Ma Y,Sun T,Liu M,Zhang H,Liang H

[Almond Snacking for 8 wk Increases Alpha-Diversity of the Gastrointestinal Microbiome and Decreases *Bacteroides fragilis* Abundance Compared with an Isocaloric Snack in College Freshmen.](#)

Current developments in nutrition , Volume: 3 Issue: 8 2019 Aug

Authors Dhillon J,Li Z,Ortiz RM

A comprehensive assessment of demographic, environmental, and host genetic associations with gut microbiome diversity in healthy individuals.

Microbiome , Volume: 7 Issue: 1 2019 Sep 13

Authors Scepanovic P,Hodel F,Mondot S,Partula V,Byrd A,Hammer C,Alanio C,Bergstedt J,Patin E,Touvier M,Lantz O,Albert ML,Duffy D,Quintana-Murci L,Fellay J,Milieu Intérieur Consortium.

Prevotella Abundance Predicts Weight Loss Success in Healthy, Overweight Adults Consuming a Whole-Grain Diet Ad Libitum: A Post Hoc Analysis of a 6-Wk Randomized Controlled Trial.

The Journal of nutrition , 2019 Aug 28

Authors Christensen L,Vuholm S,Roager HM,Nielsen DS,Krych L,Kristensen M,Astrup A,Hjorth MF

Wheat Gluten Regulates Cholesterol Metabolism by Modulating Gut Microbiota in Hamsters with Hyperlipidemia.

Journal of oleo science , Volume: 68 Issue: 9 2019

Authors Liang TT,Tong LT,Geng DH,Wang LL,Zhou XR,Pu HY,Jia W,Wu QP,Huang JR

Lactobacillus reuteri DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites.

American journal of physiology. Gastrointestinal and liver physiology , 2019 Sep 4

Authors Liu Y,Tian X,He B,Hoang TK,Taylor CM,Blanchard E,Freeborn J,Park S,Luo M,Couturier J,Tran DQ,Roos S,Wu G,Rhoads JM

Rebalancing of the gut flora and microbial metabolism is responsible for the anti-arthritis effect of kaempferol.

Acta pharmacologica Sinica , Volume: 41 Issue: 1 2020 Jan

Authors Aa LX,Fei F,Qi Q,Sun RB,Gu SH,Di ZZ,Aa JY,Wang GJ,Liu CX

Exercise Training Modulates Gut Microbiota Profile and Improves Endotoxemia.

Medicine and science in sports and exercise , Volume: 52 Issue: 1 2020 Jan

Authors Motiani KK,Collado MC,Eskelinen JJ,Virtanen KA,Löytyniemi E,Salminen S,Nuutila P,Kalliokoski KK,Hannukainen JC

Green tea polyphenol (epigallocatechin-3-gallate) improves gut dysbiosis and serum bile acids dysregulation in high-fat diet-fed mice.

Journal of clinical biochemistry and nutrition , Volume: 65 Issue: 1 2019 Jul

Authors Ushiroda C,Naito Y,Takagi T,Uchiyama K,Mizushima K,Higashimura Y,Yasukawa Z,Okubo T,Inoue R,Honda A,Matsuzaki Y,Itoh Y

Dietary Factors and Modulation of Bacteria Strains of *Akkermansia muciniphila* and *Faecalibacterium prausnitzii*: A Systematic Review.

Nutrients , Volume: 11 Issue: 7 2019 Jul 11

Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T

Daily intake of wheat germ-enriched bread may promote a healthy gut bacterial microbiota: a randomised controlled trial.

European journal of nutrition , Volume: 59 Issue: 5 2020 Aug

Authors Moreira-Rosário A,Marques C,Pinheiro H,Norberto S,Sintra D,Teixeira JA,Calhau C,Azevedo LF

Effect of Synbiotic Supplementation in a Very-Low-Calorie Ketogenic Diet on Weight Loss Achievement and Gut Microbiota: A Randomized Controlled Pilot Study.

Molecular nutrition & food research , 2019 Jul 12

Authors Gutiérrez-Repiso C,Hernández-García C,García-Almeida JM,Bellido D,Martín-Núñez GM,Sánchez-Alcoholado L,Alcaide-Torres J,Sajoux I,Tinahones F,Moreno-Indias I

Different duck products protein on rat physiology and gut microbiota.

Journal of proteomics , Volume: 206 2019 Jun 29

Authors Wei T,Dang Y,Cao J,Wu Z,He J,Sun Y,Pan D,Tian Z

Additional Effect of Dietary Fiber in Patients with Type 2 Diabetes Mellitus Using Metformin and Sulfonylurea: An Open-Label, Pilot Trial.

Diabetes & metabolism journal , 2019 Apr 23

Authors Lee SE,Choi Y,Jun JE,Lee YB,Jin SM,Hur KY,Ko GP,Lee MK

Walnuts and Vegetable Oils Differentially Affect the Gut Microbiome and Associations with Cardiovascular Risk Factors (OR29-06-19).

Current developments in nutrition , Volume: 3 Issue: Suppl 1 2019 Jun

Authors Tindall A,McLimans C,Petersen K,Kris-Etherton P,Lamendella R

Dietary supplementation with probiotics regulates gut microbiota structure and function in Nile tilapia exposed to aluminum.

PeerJ , Volume: 7 2019

Authors Yu L,Qiao N,Li T,Yu R,Zhai Q,Tian F,Zhao J,Zhang H,Chen W

Effects of a formula with a probiotic *Bifidobacterium lactis* Supplement on the gut microbiota of low birth weight infants.

European journal of nutrition , Volume: 59 Issue: 4 2020 Jun

Authors Chi C,Xue Y,Liu R,Wang Y,Lv N,Zeng H,Buys N,Zhu B,Sun J,Yin C

Navy bean supplemented high-fat diet improves intestinal health, epithelial barrier integrity and critical aspects of the obese inflammatory phenotype.

The Journal of nutritional biochemistry , Volume: 70 2019 Aug

Authors Monk JM,Wu W,Lepp D,Wellings HR,Hutchinson AL,Liddle DM,Graf D,Pauls KP,Robinson LE,Power KA

<i>Bacteroides thetaiotaomicron</i> Starch Utilization Promotes Quercetin Degradation and Butyrate Production by <i>Eubacterium ramulus</i>.

Frontiers in microbiology , Volume: 10 2019

Authors Rodríguez-Castaño GP,Dorris MR,Liu X,Bolling BW,Acosta-Gonzalez A,Rey FE

Resveratrol attenuates high-fat diet-induced non-alcoholic steatohepatitis by maintaining gut barrier integrity and inhibiting gut inflammation through regulation of the endocannabinoid system.

Clinical nutrition (Edinburgh, Scotland) , 2019 May 30

Authors Chen M,Hou P,Zhou M,Ren Q,Wang X,Huang L,Hui S,Yi L,Mi M

The effect of gut microbiota and probiotic organisms on the properties of extended spectrum beta-lactamase producing and carbapenem resistant Enterobacteriaceae including growth, beta-lactamase activity and gene transmissibility.

Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , Volume: 25 Issue: 11 2019 Nov

Authors Kunishima H,Ishibashi N,Wada K,Oka K,Takahashi M,Yamasaki Y,Aoyagi T,Takemura H,Kitagawa M,Kaku M

Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in <i>Citrobacter rodentium</i> Infected Mice.

Frontiers in microbiology , Volume: 10 2019

Authors Lin R,Piao M,Song Y

Stability of probiotics with antibiotics via gastric tube by simple suspension method: An in vitro study.

Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , 2019 May 21

Authors Mitsuboshi S,Muto K,Okubo K,Fukuhara M

The role of short-chain fatty acids in microbiota-gut-brain communication.

Nature reviews. Gastroenterology & hepatology , Volume: 16 Issue: 8 2019 Aug

Authors Dalile B, Van Oudenhove L, Vervliet B, Verbeke K

Fermented Momordica charantia L. juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats.

Food research international (Ottawa, Ont.) , Volume: 121 2019 Jul

Authors Gao H,Wen JJ,Hu JL,Nie QX,Chen HH,Xiong T,Nie SP,Xie MY

Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans.

The American journal of clinical nutrition , Volume: 109 Issue: 6 2019 Jun 1

Authors Hiel S, Bindels LB, Pachikian BD, Kalala G, Broers V, Zamariola G, Chang BPI, Kambashi B, Rodríguez J, Cani PD, Neyrinck AM, Thissen JP, Luminet O, Bindelle J, Delzenne NM

Alleviation of low-fiber diet-induced constipation by probiotic *Bifidobacterium bifidum* G9-1 is based on correction of gut microbiota dysbiosis.

Bioscience of microbiota, food and health , Volume: 38 Issue: 2 2019

Authors Makizaki Y, Maeda A, Oikawa Y, Tamura S, Tanaka Y, Nakajima S, Yamamura H

Brevibacillus laterosporus strains BGSP7, BGSP9 and BGSP11 isolated from silage produce broad spectrum multi-antimicrobials.

PloS one , Volume: 14 Issue: 5 2019

Authors Miljkovic M, Jovanovic S, O'Connor PM, Mirkovic N, Jovicic B, Filipic B, Dinic M, Studholme DJ, Fira D, Cotter PD, Kojic M

Surface glycan-binding proteins are essential for cereal beta-glucan utilization by the human gut symbiont *Bacteroides ovatus*.

Cellular and molecular life sciences : CMLS , Volume: 76 Issue: 21 2019 Nov

Authors Tamura K, Foley MH, Gardill BR, Dejean G, Schnizlein M, Bahr CME, Louise Creagh A, van Petegem F, Koropatkin NM, Brumer H

Four men in a boat: Ultra-endurance exercise alters the gut microbiome.

Journal of science and medicine in sport , Volume: 22 Issue: 9 2019 Sep

Authors Keohane DM, Woods T, O'Connor P, Underwood S, Cronin O, Whiston R, O'Sullivan O, Cotter P, Shanahan F, Molloy MGM

Associations between usual diet and gut microbiota composition: results from the Milieu Intérieur cross-sectional study.

The American journal of clinical nutrition , Volume: 109 Issue: 5 2019 May 1

Authors Partula V, Mondot S, Torres MJ, Kesse-Guyot E, Deschasaux M, Assmann K, Latino-Martel P, Buscail C, Julia C, Galan P, Hercberg S, Rouilly V, Thomas S, Quintana-Murci L, Albert ML, Duffy D, Lantz O, Touvier M, Milieu Intérieur Consortium

Clostridium butyricum Strains Suppress Experimental Acute Pancreatitis by Maintaining Intestinal Homeostasis.

Molecular nutrition & food research , 2019 Apr 29

Authors Pan LL, Niu W, Fang X, Liang W, Li H, Chen W, Zhang H, Bhatia M, Sun J

In vitro modulation of human gut microbiota composition and metabolites by *Bifidobacterium longum* BB-46 and a citric

[pectin.](#)

Food research international (Ottawa, Ont.) , Volume: 120 2019 Jun

Authors Bianchi F,Larsen N,Tieghi TM,Adorno MAT,Saad SMI,Jespersen L,Sivieri K

[Aerobic Exercise Training with Brisk Walking Increases Intestinal Bacteroides in Healthy Elderly Women.](#)

Nutrients , Volume: 11 Issue: 4 2019 Apr 17

Authors Morita E,Yokoyama H,Imai D,Takeda R,Ota A,Kawai E,Hisada T,Emoto M,Suzuki Y,Okazaki K

[The Effects of Intact Cereal Grain Fibers, Including Wheat Bran on the Gut Microbiota Composition of Healthy Adults: A Systematic Review.](#)

Frontiers in nutrition , Volume: 6 2019

Authors Jefferson A,Adolphus K

[Lactobacillus reuteri Reduces the Severity of Experimental Autoimmune Encephalomyelitis in Mice by Modulating Gut Microbiota.](#)

Frontiers in immunology , Volume: 10 2019

Authors He B,Hoang TK,Tian X,Taylor CM,Blanchard E,Luo M,Bhattacharjee MB,Freeborn J,Park S,Couturier J,Lindsey JW,Tran DQ,Rhoads JM,Liu Y

[Apple consumption is associated with a distinctive microbiota, proteomics and metabolomics profile in the gut of Dawley Sprague rats fed a high-fat diet.](#)

PloS one , Volume: 14 Issue: 3 2019

Authors Garcia-Mazcorro JF,Pedreschi R,Yuan J,Kawas JR,Chew B,Dowd SE,Noratto G

[Beneficial effects of ginger on prevention of obesity through modulation of gut microbiota in mice.](#)

European journal of nutrition , Volume: 59 Issue: 2 2020 Mar

Authors Wang J,Wang P,Li D,Hu X,Chen F

[Effects of dietary supplementation of probiotic Enterococcus faecium on growth performance and gut microbiota in weaned piglets.](#)

AMB Express , Volume: 9 Issue: 1 2019 Mar 1

Authors Hu C,Xing W,Liu X,Zhang X,Li K,Liu J,Deng B,Deng J,Li Y,Tan C

[Dietary Intake of Whole Strawberry Inhibited Colonic Inflammation in Dextran-Sulfate-Sodium-Treated Mice via Restoring Immune Homeostasis and Alleviating Gut Microbiota Dysbiosis.](#)

Journal of agricultural and food chemistry , Volume: 67 Issue: 33 2019 Aug 21

Authors Han Y,Song M,Gu M,Ren D,Zhu X,Cao X,Li F,Wang W,Cai X,Yuan B,Goulette T,Zhang G,Xiao H

[A rosy exopolysaccharide producing strain Bifidobacterium longum subsp. longum YS108R alleviates DSS-induced colitis by maintenance of the mucosal barrier and gut microbiota modulation.](#)

Food & function , Volume: 10 Issue: 3 2019 Mar 20

Authors Yan S,Yang B,Zhao J,Zhao J,Stanton C,Ross RP,Zhang H,Chen W

[Dietary supplementation with strawberry induces marked changes in the composition and functional potential of the gut microbiome in diabetic mice.](#)

The Journal of nutritional biochemistry , Volume: 66 2019 Apr

Authors Petersen C,Wankhade UD,Bharat D,Wong K,Mueller JE,Chintapalli SV,Piccolo BD,Jalili T,Jia Z,Symons JD,Shankar K,Anandh Babu PV

[Intestinal Morphologic and Microbiota Responses to Dietary <i>Bacillus</i> spp. in a Broiler Chicken Model.](#)

Frontiers in physiology , Volume: 9 2018

Authors Li CL,Wang J,Zhang HJ,Wu SG,Hui QR,Yang CB,Fang RJ,Qi GH

[Isolation of wheat bran-colonizing and metabolizing species from the human fecal microbiota.](#)

PeerJ , Volume: 7 2019

Authors De Paepe K,Verspreet J,Rezaei MN,Hidalgo Martinez S,Meysman F,Van de Walle D,Dewettinck K,Raes J,Courtin C,Van de Wiele T

[Functional Interactions between Gut Microbiota Transplantation, Quercetin, and High-Fat Diet Determine Non-Alcoholic Fatty Liver Disease Development in Germ-Free Mice.](#)

Molecular nutrition & food research , Volume: 63 Issue: 8 2019 Apr

Authors Porras D,Nistal E,Martínez-Flórez S,Olcoz JL,Jover R,Jorquera F,González-Gallego J,García-Mediavilla MV,Sánchez-Campos S

[Protein-Bound \$\beta\$ -glucan from Coriolus Versicolor has Potential for Use Against Obesity.](#)

Molecular nutrition & food research , Volume: 63 Issue: 7 2019 Apr

Authors Li X,Chen P,Zhang P,Chang Y,Cui M,Duan J

[Differential Effects of Lactobacillus casei Strain Shirota on Patients With Constipation Regarding Stool Consistency in China.](#)

Journal of neurogastroenterology and motility , Volume: 25 Issue: 1 2019 Jan 31

Authors Chen S,Ou Y,Zhao L,Li Y,Qiao Z,Hao Y,Ren F

[Effects of short-term endurance exercise on gut microbiota in elderly men.](#)

Physiological reports , Volume: 6 Issue: 23 2018 Dec

Authors Taniguchi H,Tanisawa K,Sun X,Kubo T,Hoshino Y,Hosokawa M,Takeyama H,Higuchi M

A decrease in anaerobic bacteria promotes Candida glabrata overgrowth while β -glucan treatment restores the gut microbiota and attenuates colitis.

Gut pathogens , Volume: 10 2018

Authors Charlet R,Bortolus C,Barbet M,Sendid B,Jawhara S

Arabinoxylan from Argentinian whole wheat flour promote the growth of Lactobacillus reuteri and Bifidobacterium breve.

Letters in applied microbiology , Volume: 68 Issue: 2 2019 Feb

Authors Paesani C,Salvucci E,Moiraghi M,Fernandez Canigia L,Pérez GT

Identification of factors involved in Enterococcus faecalis biofilm under quercetin stress.

Microbial pathogenesis , Volume: 126 2019 Jan

Authors Qayyum S,Sharma D,Bisht D,Khan AU

Strategies to promote abundance of *Akkermansia muciniphila*, an emerging probiotics in the gut, evidence from dietary intervention studies.

Journal of functional foods , Volume: 33 2017 Jun

Authors Zhou K

Alterations in gut microbiota composition and metabolic parameters after dietary intervention with barley beta glucans in patients with high risk for metabolic syndrome development.

Anaerobe , Volume: 55 2019 Feb

Authors Velikonja A,Lipoglavšek L,Zorec M,Orel R,Avguštin G

Inulin-type fructans improve active ulcerative colitis associated with microbiota changes and increased short-chain fatty acids levels.

Gut microbes , 2018 Nov 5

Authors Valcheva R,Koleva P,Martínez I,Walter J,Gänzle MG,Dieleman LA

Simultaneous Supplementation of *Bacillus subtilis* and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.

Frontiers in microbiology , Volume: 9 2018

Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X

Determination of Antimicrobial Activity of Some Commercial Fruit (Apple, Papaya, Lemon and Strawberry) Against Bacteria Causing Urinary Tract Infection.

European journal of microbiology & immunology , Volume: 8 Issue: 3 2018 Sep 28

Authors Liya SJ,Siddique R

Long-term intake of Lactobacillus paracasei KW3110 prevents age-related chronic inflammation and retinal cell loss in physiologically aged mice.

Aging , Volume: 10 Issue: 10 2018 Oct 19

Authors Morita Y,Jounai K,Sakamoto A,Tomita Y,Sugihara Y,Suzuki H,Ohshio K,Otake M,Fujiwara D,Kanauchi O,Maruyama M

Six-Week Endurance Exercise Alters Gut Metagenome That Is not Reflected in Systemic Metabolism in Over-weight Women.

Frontiers in microbiology , Volume: 9 2018

Authors Munukka E,Ahtiainen JP,Puigbó P,Jalkanen S,Pahkala K,Keskitalo A,Kujala UM,Pietilä S,Holmén M,Elo L,Huovinen P,D'Auria G,Pekkala S

Supplemental Bacillus subtilis DSM 32315 manipulates intestinal structure and microbial composition in broiler chickens.

Scientific reports , Volume: 8 Issue: 1 2018 Oct 18

Authors Ma Y,Wang W,Zhang H,Wang J,Zhang W,Gao J,Wu S,Qi G

An exploratory study on the effect of daily fruits and vegetable juice on human gut microbiota.

Food science and biotechnology , Volume: 27 Issue: 5 2018 Oct

Authors Choi YJ,Lee DH,Kim HS,Kim YK

Broccoli consumption affects the human gastrointestinal microbiota.

The Journal of nutritional biochemistry , Volume: 63 2019 Jan

Authors Kaczmarek JL,Liu X,Charron CS,Novotny JA,Jeffery EH,Seifried HE,Ross SA,Miller MJ,Swanson KS,Holscher HD

Characterization of the Functional Changes in Mouse Gut Microbiome Associated with Increased *Akkermansia muciniphila* Population Modulated by Dietary Black Raspberries.

ACS omega , Volume: 3 Issue: 9 2018 Sep 30

Authors Tu P,Bian X,Chi L,Gao B,Ru H,Knobloch TJ,Weghorst CM,Lu K

Anti-inflammatory effects of Kaempferol on Helicobacter pylori-induced inflammation.

Bioscience, biotechnology, and biochemistry , Volume: 83 Issue: 1 2019 Jan

Authors Yeon MJ,Lee MH,Kim DH,Yang JY,Woo HJ,Kwon HJ,Moon C,Kim SH,Kim JB

Effects of dietary supplementation with Clostridium butyricum on laying performance, egg quality, serum parameters, and cecal microflora of laying hens in the late phase of production.

Poultry science , Volume: 98 Issue: 2 2019 Feb 1

Authors Zhan HQ,Dong XY,Li LL,Zheng YX,Gong YJ,Zou XT

[Metagenome sequencing to analyze the impacts of thiamine supplementation on ruminal fungi in dairy cows fed high-concentrate diets.](#)

AMB Express , Volume: 8 Issue: 1 2018 Oct 3

Authors Xue F,Nan X,Sun F,Pan X,Guo Y,Jiang L,Xiong B

[Effects of Whole Milk Supplementation on Gut Microbiota and Cardiometabolic Biomarkers in Subjects with and without Lactose Malabsorption.](#)

Nutrients , Volume: 10 Issue: 10 2018 Oct 2

Authors Li X,Yin J,Zhu Y,Wang X,Hu X,Bao W,Huang Y,Chen L,Chen S,Yang W,Shan Z,Liu L

[Effects of daily consumption of the probiotic Bifidobacterium animalis subsp. lactis CECT 8145 on anthropometric adiposity biomarkers in abdominally obese subjects: a randomized controlled trial.](#)

International journal of obesity (2005) , 2018 Sep 27

Authors Pedret A,Valls RM,Calderón-Pérez L,Llauradó E,Comanys J,Pla-Pagà L,Moragas A,Martín-Luján F,Ortega Y,Giralt M,Caimari A,Chenoll E,Genovés S,Martorell P,Codoñer FM,Ramón D,Arola L,Solà R

[Behavioral response to fiber feeding is cohort-dependent and associated with gut microbiota composition in mice.](#)

Behavioural brain research , Volume: 359 2019 Feb 1

Authors Mailing LJ,Allen JM,Pence BD,Rytych J,Sun Y,Bhattacharya TK,Park P,Cross TL,McCusker RH,Swanson KS,Fahey GC,Rhodes JS,Kelley KW,Johnson RW,Woods JA

[Goji Berry Modulates Gut Microbiota and Alleviates Colitis in IL-10-Deficient Mice.](#)

Molecular nutrition & food research , Volume: 62 Issue: 22 2018 Nov

Authors Kang Y,Yang G,Zhang S,Ross CF,Zhu MJ

[Functional modulation of caecal fermentation and microbiota in rat by feeding bean husk as a dietary fibre supplement.](#)

Beneficial microbes , Volume: 9 Issue: 6 2018 Dec 7

Authors Myint H,Kishi H,Iwahashi Y,Saburi W,Koike S,Kobayashi Y

[Antifungal efficacy of herbs.](#)

Journal of oral biology and craniofacial research , Volume: 9 Issue: 1 2019 Jan-Mar

Authors Samadi FM,Suhail S,Sonam M,Sharma N,Singh S,Gupta S,Dobhal A,Pradhan H

[Probiotic <i>Lactobacillus plantarum</i> Promotes Intestinal Barrier Function by Strengthening the Epithelium and Modulating Gut Microbiota.](#)

Frontiers in microbiology , Volume: 9 2018

Authors Wang J, Ji H, Wang S, Liu H, Zhang W, Zhang D, Wang Y

[Prevalence, Enterotoxin Genes, and Antibiotic Resistance of Bacillus cereus Isolated from Raw Vegetables in Korea.](#)

Journal of food protection , Volume: 81 Issue: 10 2018 Oct

Authors Park KM,Jeong M,Park KJ,Koo M

[Effects of inulin supplementation to piglets in the suckling period on growth performance, postileal microbial and immunological traits in the suckling period and three weeks after weaning.](#)

Archives of animal nutrition , Volume: 72 Issue: 6 2018 Dec

Authors Li B,Schroyen M,Leblois J,Wavreille J,Soyeurt H,Bindelle J,Everaert N

[\[Microbiological profiles of pathogens causing nosocomial bacteremia in 2011, 2013 and 2016\].](#)

Sheng wu gong cheng xue bao = Chinese journal of biotechnology , Volume: 34 Issue: 8 2018 Aug 25

Authors Wang X,Zhao C,Li H,Chen H,Jin L,Wang Z,Liao K,Zeng J,Xu X,Jin Y,Su D,Liu W,Hu Z,Cao B,Chu Y,Zhang R,Luo Y,Hu B,Wang H

[Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.](#)

Environmental microbiology , Volume: 20 Issue: 9 2018 Sep

Authors De Paepe K,Verspreet J,Verbeke K,Raes J,Courtin CM, Van de Wiele T

[Modulation of gut microbiota from obese individuals by in vitro fermentation of citrus pectin in combination with Bifidobacterium longum BB-46.](#)

Applied microbiology and biotechnology , Volume: 102 Issue: 20 2018 Oct

Authors Bianchi F,Larsen N,de Mello Tieghi T,Adorno MAT,Kot W,Saad SMI,Jespersen L,Sivieri K

[Effects of Turmeric and Curcumin Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.](#)

Journal of evidence-based integrative medicine , Volume: 23 2018 Jan-Dec

Authors Peterson CT,Vaughn AR,Sharma V,Chopra D,Mills PJ,Peterson SN,Sivamani RK

[The impact of Clostridium butyricum MIYAIRI 588 on the murine gut microbiome and colonic tissue.](#)

Anaerobe , Volume: 54 2018 Dec

Authors Hagihara M,Yamashita R,Matsumoto A,Mori T,Kuroki Y,Kudo H,Oka K,Takahashi M,Nonogaki T,Yamagishi Y,Mikamo H

Impact of tart cherries polyphenols on the human gut microbiota and phenolic metabolites in vitro and in vivo.

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Mayta-Apaza AC,Pottgen E,De Bodd J,Papp N,Marasini D,Howard L,Abranko L,Van de Wiele T,Lee SO,Carbonero F

A Diverse Range of Human Gut Bacteria Have the Potential To Metabolize the Dietary Component Gallic Acid.

Applied and environmental microbiology , Volume: 84 Issue: 19 2018 Oct 1

Authors Esteban-Torres M,Santamaría L,Cabrera-Rubio R,Plaza-Vinuesa L,Crispie F,de Las Rivas B,Cotter P,Muñoz R

Barley Products of Different Fiber Composition Selectively Change Microbiota Composition in Rats.

Molecular nutrition & food research , Volume: 62 Issue: 19 2018 Oct

Authors Teixeira C,Prykhodko O,Alminger M,Fåk Hållénus F,Nyman M

Western diet feeding influences gut microbiota profiles in apoE knockout mice.

Lipids in health and disease , Volume: 17 Issue: 1 2018 Jul 18

Authors Liu B,Zhang Y,Wang R,An Y,Gao W,Bai L,Li Y,Zhao S,Fan J,Liu E

Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Singh A,Zapata RC,Pezeshki A,Reidelberger RD,Chelikani PK

Pectin Alleviates High Fat (Lard) Diet-Induced Nonalcoholic Fatty Liver Disease in Mice: Possible Role of Short-Chain Fatty Acids and Gut Microbiota Regulated by Pectin.

Journal of agricultural and food chemistry , 2018 Jul 20

Authors Li W,Zhang K,Yang H

Antimicrobial Activity of Five Essential Oils against Bacteria and Fungi Responsible for Urinary Tract Infections.

Molecules (Basel, Switzerland) , Volume: 23 Issue: 7 2018 Jul 9

Authors Ebani VV,Nardoni S,Bertelloni F,Pistelli L,Mancianti F

Bifidobacterium bifidum TMC3115 Can Characteristically Influence Glucose and Lipid Profile and Intestinal Microbiota in the Middle-Aged and Elderly.

Probiotics and antimicrobial proteins , 2018 Jul 5

Authors Wang K,Yu X,Li Y,Guo Y,Ge L,Pu F,Ma X,Cui W,Marrota F,He F,Li M

Beneficial effects of the commercial lactic acid bacteria product, Vigis 101, on gastric mucosa and intestinal bacterial flora in rats.

Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , 2018 Jun 23

Authors Kao L,Liu TH,Tsai TY,Pan TM

Maternal Soluble Fiber Diet during Pregnancy Changes the Intestinal Microbiota, Improves Growth Performance, and Reduces Intestinal Permeability in Piglets.

Applied and environmental microbiology , Volume: 84 Issue: 17 2018 Sep 1

Authors Cheng C,Wei H,Xu C,Xie X,Jiang S,Peng J

Anti-inflammatory and antibacterial evaluation of Thymus sipyleus Boiss. subsp. sipyleus var. sipyleus essential oil against rhinosinusitis pathogens.

Microbial pathogenesis , Volume: 122 2018 Sep

Authors Demirci F,Karaca N,Tekin M,Demirci B

Obesity treatment by epigallocatechin-3-gallate-regulated bile acid signaling and its enriched Akkermansia muciniphila.

FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Volume: 32 Issue: 12 2018 Jun 8

Authors Sheng L,Jena PK,Liu HX,Hu Y,Nagar N,Bronner DN,Settles ML,Bäumler AJ,Wan YY

Effect of Lactobacillus paracasei CNCM I-1572 on symptoms, gut microbiota, short chain fatty acids, and immune activation in patients with irritable bowel syndrome: A pilot randomized clinical trial.

United European gastroenterology journal , Volume: 6 Issue: 4 2018 May

Authors Cremon C,Guglielmetti S,Gargari G,Taverniti V,Castellazzi AM,Valsecchi C,Tagliacarne C,Fiore W,Bellini M,Bertani L,Gambaccini D,Cicala M,Germanà B,Vecchi M,Pagano I,Barbaro MR,Bellacosa L,Stanghellini V,Barbara G

Intermittent Fasting Confers Protection in CNS Autoimmunity by Altering the Gut Microbiota.

Cell metabolism , Volume: 27 Issue: 6 2018 Jun 5

Authors Cignarella F,Cantoni C,Ghezzi L,Salter A,Dorsett Y,Chen L,Phillips D,Weinstock GM,Fontana L,Cross AH,Zhou Y,Piccio L

Chicory Roots for Prebiotics and Appetite Regulation: A Pilot Study in Mice.

Journal of agricultural and food chemistry , Volume: 66 Issue: 25 2018 Jun 27

Authors Fouré M,Dugardin C,Foligné B,Hance P,Cadalen T,Delcourt A,Taminiau B,Daube G,Ravallec R,Cudennec B,Hilbert JL,Lucau-Danila A

Identification of Phenolic Compounds-Rich Grape Pomace Extracts Urine Metabolites and Correlation with Gut Microbiota Modulation.

Antioxidants (Basel, Switzerland) , Volume: 7 Issue: 6 2018 Jun 4

Authors Chacar S,Tarighi M,Fares N,Faivre JF,Louka N,Maroun RG

Role of probiotics in the treatment of minimal hepatic encephalopathy in patients with HBV-induced liver cirrhosis.

The Journal of international medical research , Volume: 46 Issue: 9 2018 Sep

Authors Xia X,Chen J,Xia J,Wang B,Liu H,Yang L,Wang Y,Ling Z

Effects of Whole-Grain Rice and Wheat on Composition of Gut Microbiota and Short-Chain Fatty Acids in Rats.

Journal of agricultural and food chemistry , 2018 May 29

Authors Han F,Wang Y,Han Y,Zhao J,Han F,Song G,Jiang P,Miao H

Microbiome Responses to an Uncontrolled Short-Term Diet Intervention in the Frame of the Citizen Science Project.

Nutrients , Volume: 10 Issue: 5 2018 May 8

Authors Klimenko NS,Tyakht AV,Popenko AS,Vasiliev AS,Altukhov IA,Ischenko DS,Shashkova TI,Efimova DA,Nikogosov DA,Osipenko DA,Musienko SV,Selezneva KS,Baranova A,Kurilshikov AM,Toshchakov SM,Korzhenkov AA,Samarov NI,Shevchenko MA,Tepluk AV,Alexeev DG

Response of Gut Microbiota to Metabolite Changes Induced by Endurance Exercise.

Frontiers in microbiology , Volume: 9 2018

Authors Zhao X,Zhang Z,Hu B,Huang W,Yuan C,Zou L

Walnut Consumption Alters the Gastrointestinal Microbiota, Microbially Derived Secondary Bile Acids, and Health Markers in Healthy Adults: A Randomized Controlled Trial.

The Journal of nutrition , Volume: 148 Issue: 6 2018 Jun 1

Authors Holscher HD,Guetterman HM,Swanson KS,An R,Matthan NR,Lichtenstein AH,Novotny JA,Baer DJ

Role of *Lactobacillus reuteri* in Human Health and Diseases.

Frontiers in microbiology , Volume: 9 2018

Authors Mu Q,Tavella VJ,Luo XM

Ketogenic diet enhances neurovascular function with altered gut microbiome in young healthy mice.

Scientific reports , Volume: 8 Issue: 1 2018 Apr 27

Authors Ma D,Wang AC,Parikh I,Green SJ,Hoffman JD,Chlipala G,Murphy MP,Sokola BS,Bauer B,Hartz AMS,Lin AL

The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial.

Molecular nutrition & food research , 2018 Apr 17

Authors González-Sarrías A,Romo-Vaquero M,García-Villalba R,Cortés-Martín A,Selma MV,Espín JC

Smoking and the intestinal microbiome.

Archives of microbiology , Volume: 200 Issue: 5 2018 Jul

Authors Savin Z,Kivity S,Yonath H,Yehuda S

Lactobacillus plantarum MTCC 9510 supplementation protects from chronic unpredictable and sleep deprivation-induced behaviour, biochemical and selected gut microbial aberrations in mice.

Journal of applied microbiology , Volume: 125 Issue: 1 2018 Jul

Authors Dhaliwal J,Singh DP,Singh S,Pinnaka AK,Boparai RK,Bishnoi M,Kondepudi KK,Chopra K

Effects of dietary *Bacillus amyloliquefaciens* supplementation on growth performance, intestinal morphology, inflammatory response, and microbiota of intra-uterine growth retarded weanling piglets.

Journal of animal science and biotechnology , Volume: 9 2018

Authors Li Y,Zhang H,Su W,Ying Z,Chen Y,Zhang L,Lu Z,Wang T

Oral supplementation of Bifidobacterium longum strain BR-108 alters cecal microbiota by stimulating gut immune system in mice irrespectively of viability.

Bioscience, biotechnology, and biochemistry , Volume: 82 Issue: 7 2018 Jul

Authors Makioka Y,Tsukahara T,Ijichi T,Inoue R

Extensive impact of non-antibiotic drugs on human gut bacteria.

Nature , Volume: 555 Issue: 7698 2018 Mar 29

Authors Maier L,Pruteanu M,Kuhn M,Zeller G,Telzerow A,Anderson EE,Brochado AR,Fernandez KC,Dose H,Mori H,Patil KR,Bork P,Typas A

Wheat-derived arabinoxylan oligosaccharides with bifidogenic properties abolishes metabolic disorders induced by western diet in mice.

Nutrition & diabetes , Volume: 8 Issue: 1 2018 Mar 7

Authors Neyrinck AM,Hiel S,Bouzin C,Campayo VG,Cani PD,Bindels LB,Delzenne NM

Whole Tibetan Hull-Less Barley Exhibit Stronger Effect on Promoting Growth of Genus Bifidobacterium than Refined Barley In Vitro.

Journal of food science , Volume: 83 Issue: 4 2018 Apr

Authors Gong L,Cao W,Gao J,Wang J,Zhang H,Sun B,Yin M

Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.

PeerJ , Volume: 6 2018

Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X

Complementary Mechanisms for Degradation of Inulin-Type Fructans and Arabinoxylan Oligosaccharides among Bifidobacterial Strains Suggest Bacterial Cooperation.

Applied and environmental microbiology , Volume: 84 Issue: 9 2018 May 1

Authors Rivière A,Selak M,Geirnaert A, Van den Abbeele P,De Vuyst L

A Walnut-Enriched Diet Affects Gut Microbiome in Healthy Caucasian Subjects: A Randomized, Controlled Trial.

Nutrients , Volume: 10 Issue: 2 2018 Feb 22

Authors Bamberger C,Rossmeyer A,Lechner K,Wu L,Waldmann E,Fischer S,Stark RG,Altenhofer J,Henze K,Parhofer KG

Fermentation of non-digestible raffinose family oligosaccharides and galactomannans by probiotics.

Food & function , Volume: 9 Issue: 3 2018 Mar 1

Authors Zartl B,Silberbauer K,Loeppert R,Viernstein H,Praznik W,Mueller M

Soluble dietary fiber improves energy homeostasis in obese mice by remodeling the gut microbiota.

Biochemical and biophysical research communications , Volume: 498 Issue: 1 2018 Mar 25

Authors Wang H,Hong T,Li N,Zang B,Wu X

The effect of Clostridium butyricum on symptoms and fecal microbiota in diarrhea-dominant irritable bowel syndrome: a randomized, double-blind, placebo-controlled trial.

Scientific reports , Volume: 8 Issue: 1 2018 Feb 14

Authors Sun YY,Li M,Li YY,Li LX,Zhai WZ,Wang P,Yang XX,Gu X,Song LJ,Li Z,Zuo XL,Li YQ

Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes.

Frontiers in microbiology , Volume: 9 2018

Authors D`hoe K,Conterno L,Fava F,Falony G,Vieira-Silva S,Vermeiren J,Tuohy K,Raes J

Potential of Lactobacillus plantarum ZDY2013 and Bifidobacterium bifidum WBIN03 in relieving colitis by gut microbiota, immune, and anti-oxidative stress.

Canadian journal of microbiology , 2018 Feb 5

Authors Wang Y,Guo Y,Chen H,Wei H,Wan C

Effects of Blackcurrant and Dietary Fibers on Large Intestinal Health Biomarkers in Rats.

Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 73 Issue: 1 2018 Mar

Authors Paturi G,Butts CA,Monro JA,Hedderley D

Effects of dietary fiber levels on cecal microbiota composition in geese.

Asian-Australasian journal of animal sciences , Volume: 31 Issue: 8 2018 Aug

Authors Li Y,Yang H,Xu L,Wang Z,Zhao Y,Chen X

[Assessment of the impact of vitamin and dietary fiber content in the diet on the characteristics of protective colon microbiota populations of rats].

Voprosy pitaniia , Volume: 84 Issue: 6 2015

Authors Markova YM,Sheveleva SA

Almond Consumption and Processing Affects the Composition of the Gastrointestinal Microbiota of Healthy Adult Men and Women: A Randomized Controlled Trial.

Nutrients , Volume: 10 Issue: 2 2018 Jan 26

Authors Holscher HD,Taylor AM,Swanson KS,Novotny JA,Baer DJ

Alfalfa-containing diets alter luminal microbiota structure and short chain fatty acid sensing in the caecal mucosa of pigs.

Journal of animal science and biotechnology , Volume: 9 2018

Authors Wang J,Qin C,He T,Qiu K,Sun W,Zhang X,Jiao N,Zhu W,Yin J

Chemoprevention of colorectal cancer by black raspberry anthocyanins involved the modulation of gut microbiota and SFRP2 demethylation.

Carcinogenesis , 2018 Jan 19

Authors Chen L,Jiang B,Zhong C,Guo J,Zhang L,Mu T,Zhang Q,Bi X

The modulatory effect of polyphenols from green tea, oolong tea and black tea on human intestinal microbiota in vitro.

Journal of food science and technology , Volume: 55 Issue: 1 2018 Jan

Authors Sun H,Chen Y,Cheng M,Zhang X,Zheng X,Zhang Z

Effect of dark sweet cherry powder consumption on the gut microbiota, short-chain fatty acids, and biomarkers of gut health in obese db/db mice.

PeerJ , Volume: 6 2018

Authors Garcia-Mazcorro JF,Lage NN,Mertens-Talcott S,Talcott S,Chew B,Dowd SE,Kawas JR,Noratto GD

Habitual dietary fibre intake influences gut microbiota response to an inulin-type fructan prebiotic: a randomised, double-blind, placebo-controlled, cross-over, human intervention study.

The British journal of nutrition , Volume: 119 Issue: 2 2018 Jan

Authors Healey G,Murphy R,Butts C,Brough L,Whelan K,Coad J

Thymus mastichina L. essential oils from Murcia (Spain): Composition and antioxidant, antienzymatic and antimicrobial

bioactivities.**PloS one** , Volume: 13 Issue: 1 2018

Authors Cutillas AB,Carrasco A,Martinez-Gutierrez R,Tomas V,Tudela J

Influence of a diet enriched with virgin olive oil or butter on mouse gut microbiota and its correlation to physiological and biochemical parameters related to metabolic syndrome.**PloS one** , Volume: 13 Issue: 1 2018

Authors Prieto I,Hidalgo M,Segarra AB,Martínez-Rodríguez AM,Cobo A,Ramírez M,Abriouel H,Gálvez A,Martínez-Cañamero M

Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.**Journal of food protection** , Volume: 81 Issue: 1 2018 Jan

Authors Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W

Impact of genistein on the gut microbiome of humanized mice and its role in breast tumor inhibition.**PloS one** , Volume: 12 Issue: 12 2017

Authors Paul B,Royston KJ,Li Y,Stoll ML,Skibola CF,Wilson LS,Barnes S,Morrow CD,Tollefsbol TO

Effects of fermented soymilk with Lactobacillus casei Shirota on skin condition and the gut microbiota: a randomised clinical pilot trial.**Beneficial microbes** , Volume: 9 Issue: 2 2018 Feb 27

Authors Nagino T,Kaga C,Kano M,Masuoka N,Anbe M,Moriyama K,Maruyama K,Nakamura S,Shida K,Miyazaki K

Prebiotic Dietary Fiber and Gut Health: Comparing the in Vitro Fermentations of Beta-Glucan, Inulin and Xylooligosaccharide.**Nutrients** , Volume: 9 Issue: 12 2017 Dec 15

Authors Carlson JL,Erickson JM,Hess JM,Gould TJ,Slavin JL

The Impact of Long-Term Intake of Phenolic Compounds-Rich Grape Pomace on Rat Gut Microbiota.**Journal of food science** , Volume: 83 Issue: 1 2018 Jan

Authors Chacar S,Itani T,Hajal J,Saliba Y,Louka N,Faivre JF,Maroun R,Fares N

Probiotics in 14-day triple therapy for Asian pediatric patients with Helicobacter pylori infection: a network meta-analysis.**Oncotarget** , Volume: 8 Issue: 56 2017 Nov 10

Authors Wen J,Peng P,Chen P,Zeng L,Pan Q,Wei W,He J

Effect of Probiotics on Pharmacokinetics of Orally Administered Acetaminophen in Mice.**Drug metabolism and disposition: the biological fate of chemicals** , Volume: 46 Issue: 2 2018 Feb

Authors Kim JK,Choi MS,Jeong JJ,Lim SM,Kim IS,Yoo HH,Kim DH

Blood lactose after dairy product intake in healthy men.**The British journal of nutrition** , Volume: 118 Issue: 12 2017 Dec

Authors Pimentel G,Burton KJ,Rosikiewicz M,Freiburghaus C,von Ah U,Münger LH,Pralong FP,Vionnet N,Greub G,Badertscher R,Vergères G

Effects of Lactobacillus acidophilus on gut microbiota composition in broilers challenged with Clostridium perfringens.**PloS one** , Volume: 12 Issue: 11 2017

Authors Li Z,Wang W,Liu D,Guo Y

Genes and Gut Bacteria Involved in Luminal Butyrate Reduction Caused by Diet and Loperamide.**Genes** , Volume: 8 Issue: 12 2017 Nov 28

Authors Hwang N,Eom T,Gupta SK,Jeong SY,Jeong DY,Kim YS,Lee JH,Sadowsky MJ,Unno T

Quercetin metabolism by fecal microbiota from healthy elderly human subjects.**PloS one** , Volume: 12 Issue: 11 2017

Authors Tamura M,Hoshi C,Kobori M,Takahashi S,Tomita J,Nishimura M,Nishihira J

Balancing Herbal Medicine and Functional Food for Prevention and Treatment of Cardiometabolic Diseases through Modulating Gut Microbiota.**Frontiers in microbiology** , Volume: 8 2017

Authors Lyu M,Wang YF,Fan GW,Wang XY,Xu SY,Zhu Y

Exercise Alters Gut Microbiota Composition and Function in Lean and Obese Humans.**Medicine and science in sports and exercise** , Volume: 50 Issue: 4 2018 Apr

Authors Allen JM,Mailing LJ,Niemiro GM,Moore R,Cook MD,White BA,Holscher HD,Woods JA

Benefits of Nut Consumption on Insulin Resistance and Cardiovascular Risk Factors: Multiple Potential Mechanisms of Actions**Nutrients** , Volume: 9 Issue: 11 2017 Nov 22

Authors Kim Y,Keogh JB,Clifton PM

Camelina Seed Supplementation at Two Dietary Fat Levels Change Ruminal Bacterial Community Composition in a Dual-Flow Continuous Culture System.**Frontiers in microbiology** , Volume: 8 2017

Authors Dai X,Weimer PJ,Dill-McFarland KA,Brandao VLN,Suen G,Faciola AP

A combination of quercetin and resveratrol reduces obesity in high-fat diet-fed rats by modulation of gut microbiota.

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Zhao L,Zhang Q,Ma W,Tian F,Shen H,Zhou M

Clostridium butyricum CGMCC0313.1 Protects against Autoimmune Diabetes by Modulating Intestinal Immune Homeostasis and Inducing Pancreatic Regulatory T Cells.

Frontiers in immunology , Volume: 8 2017

Authors Jia L,Shan K,Pan LL,Feng N,Lv Z,Sun Y,Li J,Wu C,Zhang H,Chen W,Diana J,Sun J,Chen YQ

Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Shao Y,Huo D,Peng Q,Pan Y,Jiang S,Liu B,Zhang J

In-vitro antimicrobial activity and identification of bioactive components using GC-MS of commercially available essential oils in Saudi Arabia.

Journal of food science and technology , Volume: 54 Issue: 12 2017 Nov

Authors Ashraf SA,Al-Shammari E,Hussain T,Tajuddin S,Panda BP

Indoor microbiota in severely moisture damaged homes and the impact of interventions.

Microbiome , Volume: 5 Issue: 1 2017 Oct 13

Authors Jayaprakash B,Adams RI,Kirjavainen P,Karvonen A,Vepsäläinen A,Valkonen M,Järvi K,Sulyok M,Pekkanen J,Hyvärinen A,Täubel M

Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.

The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct

Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG

Illumina Sequencing Approach to Characterize Thiamine Metabolism Related Bacteria and the Impacts of Thiamine Supplementation on Ruminal Microbiota in Dairy Cows Fed High-Grain Diets.

Frontiers in microbiology , Volume: 8 2017

Authors Pan X,Xue F,Nan X,Tang Z,Wang K,Beckers Y,Jiang L,Xiong B

Effect of Functional Oligosaccharides and Ordinary Dietary Fiber on Intestinal Microbiota Diversity.

Frontiers in microbiology , Volume: 8 2017

Authors Cheng W,Lu J,Li B,Lin W,Zhang Z,Wei X,Sun C,Chi M,Bi W,Yang B,Jiang A,Yuan J

Ketogenic diet poses a significant effect on imbalanced gut microbiota in infants with refractory epilepsy.

World journal of gastroenterology , Volume: 23 Issue: 33 2017 Sep 7

Authors Xie G,Zhou Q,Qiu CZ,Dai WK,Wang HP,Li YH,Liao JX,Lu XG,Lin SF,Ye JH,Ma ZY,Wang WJ

Dietary soy, meat, and fish proteins modulate the effects of prebiotic raffinose on composition and fermentation of gut microbiota in rats.

International journal of food sciences and nutrition , Volume: 69 Issue: 4 2018 Jun

Authors Bai G,Tsuruta T,Nishino N

Whole-Grain Starch and Fiber Composition Modifies Ileal Flow of Nutrients and Nutrient Availability in the Hindgut, Shifting Fecal Microbial Profiles in Pigs.

The Journal of nutrition , Volume: 147 Issue: 11 2017 Nov

Authors Foughse JM,Gänzle MG,Beattie AD,Vasanthan T,Zijlstra RT

Moderate-Intensity Exercise Affects Gut Microbiome Composition and Influences Cardiac Function in Myocardial Infarction Mice.

Frontiers in microbiology , Volume: 8 2017

Authors Liu Z,Liu HY,Zhou H,Zhan Q,Lai W,Zeng Q,Ren H,Xu D

Navy and black bean supplementation primes the colonic mucosal microenvironment to improve gut health.

The Journal of nutritional biochemistry , Volume: 49 2017 Nov

Authors Monk JM,Lepp D,Wu W,Pauls KP,Robinson LE,Power KA

Assessment of plaque regrowth with a probiotic toothpaste containing *Lactobacillus paracasei*: A spectrophotometric study.

Journal of the Indian Society of Pedodontics and Preventive Dentistry , Volume: 35 Issue: 4 2017 Oct-Dec

Authors Srinivasan S,Nandlal B,Rao MVS

Antibacterial activity and interactions of plant essential oil combinations against Gram-positive and Gram-negative bacteria.

Journal of food and drug analysis , Volume: 25 Issue: 2 2017 Apr

Authors Semeniuc CA,Pop CR,Rotar AM

Dietary pomegranate extract and inulin affect gut microbiome differentially in mice fed an obesogenic diet.

Anaerobe , Volume: 48 2017 Dec

Authors Zhang S,Yang J,Henning SM,Lee R,Hsu M,Grojean E,Pisegna R,Ly A,Heber D,Li Z

A yeast fermentate improves gastrointestinal discomfort and constipation by modulation of the gut microbiome: results from a randomized double-blind placebo-controlled pilot trial.

BMC complementary and alternative medicine , Volume: 17 Issue: 1 2017 Sep 4

Authors Pinheiro I,Robinson L,Verhelst A,Marzorati M,Winkens B,den Abbeele PV,Possemiers S

[Characterization of an antimicrobial substance produced by Lactobacillus plantarum NTU 102.](#)

Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , 2017 Aug 29

Authors Lin TH,Pan TM

[Effect of Probiotic Lactobacilli on the Growth of Streptococcus Mutans and Multispecies Biofilms Isolated from Children with Active Caries.](#)

Medical science monitor : international medical journal of experimental and clinical research , Volume: 23 2017 Aug 30

Authors Lin X,Chen X,Tu Y,Wang S,Chen H

[Lactobacillus plantarum LP-Onlly alters the gut flora and attenuates colitis by inducing microbiome alteration in interleukin-10 knockout mice.](#)

Molecular medicine reports , Volume: 16 Issue: 5 2017 Nov

Authors Chen H,Xia Y,Zhu S,Yang J,Yao J,Di J,Liang Y,Gao R,Wu W,Yang Y,Shi C,Hu D,Qin H,Wang Z

[Regulative effects of curcumin spice administration on gut microbiota and its pharmacological implications.](#)

Food & nutrition research , Volume: 61 Issue: 1 2017

Authors Shen L,Liu L, Ji HF

[Dietary Propolis Ameliorates Dextran Sulfate Sodium-Induced Colitis and Modulates the Gut Microbiota in Rats Fed a Western Diet.](#)

Nutrients , Volume: 9 Issue: 8 2017 Aug 14

Authors Wang K,Jin X,You M,Tian W,Le Leu RK,Topping DL,Conlon MA,Wu L,Hu F

[Beef, Chicken, and Soy Proteins in Diets Induce Different Gut Microbiota and Metabolites in Rats.](#)

Frontiers in microbiology , Volume: 8 2017

Authors Zhu Y,Shi X,Lin X,Ye K,Xu X,Li C,Zhou G

[Changes in the gut microbial communities following addition of walnuts to the diet.](#)

The Journal of nutritional biochemistry , Volume: 48 2017 Oct

Authors Byerley LO,Samuelson D,Blanchard E 4th,Luo M,Lorenzen BN,Banks S,Ponder MA,Welsh DA,Taylor CM

[Lactobacillus casei CCFM419 attenuates type 2 diabetes via a gut microbiota dependent mechanism.](#)

Food & function , Volume: 8 Issue: 9 2017 Sep 20

Authors Wang G,Li X,Zhao J,Zhang H,Chen W

[Disruption in the cecal microbiota of chickens challenged with Clostridium perfringens and other factors was alleviated by Bacillus licheniformis supplementation.](#)

PloS one , Volume: 12 Issue: 8 2017

Authors Lin Y,Xu S,Zeng D,Ni X,Zhou M,Zeng Y,Wang H,Zhou Y,Zhu H,Pan K,Li G

[Specific Signatures of the Gut Microbiota and Increased Levels of Butyrate in Children Treated with Fermented Cow's Milk Containing Heat-Killed Lactobacillus paracasei CBA L74.](#)

Applied and environmental microbiology , Volume: 83 Issue: 19 2017 Oct 1

Authors Berni Canani R,De Filippis F,Nocerino R,Laiola M,Paparo L,Calignano A,De Caro C,Coretti L,Chiariotti L,Gilbert JA,Ercolini D

[High-protein diet improves sensitivity to cholecystokinin and shifts the cecal microbiome without altering brain inflammation in diet-induced obesity in rats.](#)

American journal of physiology. Regulatory, integrative and comparative physiology , Volume: 313 Issue: 4 2017 Oct 1

Authors Wang L,Jacobs JP,Lagishetty V,Yuan PQ,Wu SV,Million M,Reeve JR Jr,Pisegna JR,Taché Y

[Black Raspberries and Their Anthocyanin and Fiber Fractions Alter the Composition and Diversity of Gut Microbiota in F-344 Rats.](#)

Nutrition and cancer , Volume: 69 Issue: 6 2017 Aug-Sep

Authors Pan P,Lam V,Salzman N,Huang YW,Yu J,Zhang J,Wang LS

[Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity.](#)

Scientific reports , Volume: 7 Issue: 1 2017 Jul 17

Authors Suriano F,Bindels LB,Verspreet J,Courtin CM,Verbeke K,Cani PD,Neyrinck AM,Delzenne NM

[Effect of Soy Isoflavones on Growth of Representative Bacterial Species from the Human Gut.](#)

Nutrients , Volume: 9 Issue: 7 2017 Jul 8

Authors Vázquez L,Flórez AB,Guadamuro L,Mayo B

[Prebiotic Potential and Chemical Composition of Seven Culinary Spice Extracts.](#)

Journal of food science , Volume: 82 Issue: 8 2017 Aug

Authors Lu QY,Summanen PH, Lee RP,Huang J,Henning SM,Heber D,Finegold SM,Li Z

[Monitoring <i>in vitro</i> antibacterial efficacy of 26 Indian spices against multidrug resistant urinary tract infecting](#)

[bacteria.](#)

Integrative medicine research , Volume: 3 Issue: 3 2014 Sep

Authors Rath S,Padhy RN

[Temporal microbiota changes of high-protein diet intake in a rat model.](#)

Anaerobe , Volume: 47 2017 Oct

Authors Mu C,Yang Y,Luo Z,Zhu W

[The effects of the Lactobacillus casei strain on obesity in children: a pilot study.](#)

Beneficial microbes , Volume: 8 Issue: 4 2017 Aug 24

Authors Nagata S,Chiba Y,Wang C,Yamashiro Y

[Effect of Sweetened Dried Cranberry Consumption on Urinary Proteome and Fecal Microbiome in Healthy Human Subjects.](#)

Omics : a journal of integrative biology , Volume: 22 Issue: 2 2018 Feb

Authors Bekiaries N,Krueger CG,Meudt JJ,Shanmuganayagam D,Reed JD

[Inter-individual differences determine the outcome of wheat bran colonization by the human gut microbiome.](#)

Environmental microbiology , Volume: 19 Issue: 8 2017 Aug

Authors De Paepe K,Kerckhof FM,Verspreet J,Courtin CM,Van de Wiele T

[Gastrointestinal Simulation Model TWIN-SHIME Shows Differences between Human Urolithin-Metabotypes in Gut Microbiota Composition, Pomegranate Polyphenol Metabolism, and Transport along the Intestinal Tract.](#)

Journal of agricultural and food chemistry , Volume: 65 Issue: 27 2017 Jul 12

Authors García-Villalba R,Vissenaekens H,Pitart J,Romo-Vaquero M,Espín JC,Grootaert C,Selma MV,Raes K,Smagghe G,Possemiers S,Van Camp J,Tomas-Barberan FA

[Probiotic yogurt and acidified milk similarly reduce postprandial inflammation and both alter the gut microbiota of healthy, young men.](#)

The British journal of nutrition , Volume: 117 Issue: 9 2017 May

Authors Burton KJ,Rosikiewicz M,Pimentel G,Bütikofer U,von Ah U,Voirol MJ,Croxatto A,Aeby S,Drai J,McTernan PG,Greub G,Pralong FP,Vergères G,Vionnet N

[Association between Yogurt Consumption and Intestinal Microbiota in Healthy Young Adults Differs by Host Gender.](#)

Frontiers in microbiology , Volume: 8 2017

Authors Suzuki Y,Ikeda K,Sakuma K,Kawai S,Sawaki K,Asahara T,Takahashi T,Tsuji H,Nomoto K,Nagpal R,Wang C,Nagata S,Yamashiro Y

[Recovery of ethanol-induced *Akkermansia muciniphila* depletion ameliorates alcoholic liver disease.](#)

Gut , 2017 May 26

Authors Grander C,Adolph TE,Wieser V,Lowe P,Wrzosek L,Gyongyosi B,Ward DV,Grabherr F,Gerner RR,Pfister A,Enrich B,Ciocan D,Macheiner S,Mayr L,Drach M,Moser P,Moschen AR,Perlemuter G,Szabo G,Cassard AM,Tilg H

[Effects of Commercial Apple Varieties on Human Gut Microbiota Composition and Metabolic Output Using an In Vitro Colonic Model.](#)

Nutrients , Volume: 9 Issue: 6 2017 May 24

Authors Koutsos A,Lima M,Conterno L,Gasperotti M,Bianchi M,Fava F,Vrhovsek U,Lovegrove JA,Tuohy KM

[Health benefit of vegetable/fruit juice-based diet: Role of microbiome](#)

Scientific Reports , Volume: 7 2017 May 19

Authors Henning SM,Yang J,Shao P,Lee RP,Huang J,Ly A,Hsu M,Lu QY,Thames G,Heber D,Li Z

[Effect of dietary supplementation with Lactobacillus acidophilus D2/CSL \(CECT 4529\) on caecum microbioma and productive performance in broiler chickens.](#)

PloS one , Volume: 12 Issue: 5 2017

Authors De Cesare A,Sirri F,Manfreda G,Moniaci P,Giardini A,Zampiga M,Meluzzi A

[Effect of *Bacillus subtilis* and *Bacillus licheniformis* supplementation in diets with low- and high-protein content on ileal crude protein and amino acid digestibility and intestinal microbiota composition of growing pigs.](#)

Journal of animal science and biotechnology , Volume: 8 2017

Authors Kaewtapee C,Burbach K,Tomforde G,Hartinger T,Camarinha-Silva A,Heinritz S,Seifert J,Wiltafsky M,Mosenthin R,Rosenfelder-Kuon P

[Lactobacillus casei Zhang and vitamin K2 prevent intestinal tumorigenesis in mice via adiponectin-elevated different signaling pathways.](#)

Oncotarget , Volume: 8 Issue: 15 2017 Apr 11

Authors Zhang Y,Ma C,Zhao J,Xu H,Hou Q,Zhang H

[Effect of a probiotic beverage consumption \(Enterococcus faecium CRL 183 and Bifidobacterium longum ATCC 15707\) in rats with chemically induced colitis.](#)

PloS one , Volume: 12 Issue: 4 2017

Authors Celiberto LS,Bedani R,Dejani NN,Ivo de Medeiros A,Sampaio Zuanon JA,Spolidorio LC,Tallarico Adorno MA,Amâncio Varesche MB,Carrilho Galvão F,Valentini SR,Font de Valdez G,Rossi EA,Cavallini DCU

Inulin with different degrees of polymerization modulates composition of intestinal microbiota in mice.

FEMS microbiology letters , Volume: 364 Issue: 10 2017 May 1

Authors Zhu L,Qin S,Zhai S,Gao Y,Li L

Influence of diet on the gut microbiome and implications for human health.

Journal of translational medicine , Volume: 15 Issue: 1 2017 Apr 8

Authors Singh RK,Chang HW,Yan D,Lee KM,Ucmak D,Wong K,Abrouk M,Farahnik B,Nakamura M,Zhu TH,Bhutani T,Liao W

Impact of probiotic *Saccharomyces boulardii* on the gut microbiome composition in HIV-treated patients: A double-blind, randomised, placebo-controlled trial.

PloS one , Volume: 12 Issue: 4 2017

Authors Villar-García J,Güerri-Fernández R,Moya A,González A,Hernández JJ,Lerma E,Guelar A,Sorli L,Horcajada JP,Artacho A,D Auria G,Knobel H

Antagonistic Activity of *Lactobacillus reuteri* Strains on the Adhesion Characteristics of Selected Pathogens.

Frontiers in microbiology , Volume: 8 2017

Authors Singh TP,Kaur G,Kapila S,Malik RK

Carbohydrate Staple Food Modulates Gut Microbiota of Mongolians in China.

Frontiers in microbiology , Volume: 8 2017

Authors Li J,Hou Q,Zhang J,Xu H,Sun Z,Menghe B,Zhang H

Short-term impact of a classical ketogenic diet on gut microbiota in GLUT1 Deficiency Syndrome: A 3-month prospective observational study.

Clinical nutrition ESPEN , Volume: 17 2017 Feb

Authors Tagliabue A,Ferraris C,Uggeri F,Trentani C,Bertoli S,de Giorgis V,Veggiotti P,Elli M

Good Bugs vs Bad Bugs: Evaluation of Inhibitory Effect of Selected Probiotics against *Enterococcus faecalis*.

The journal of contemporary dental practice , Volume: 18 Issue: 4 2017 Apr 1

Authors Bohora AA,Kokate SR

Changes in intestinal microbiota composition and metabolism coincide with increased intestinal permeability in young adults under prolonged physiological stress.

American journal of physiology. Gastrointestinal and liver physiology , Volume: 312 Issue: 6 2017 Jun 1

Authors Karl JP,Margolis LM,Madslien EH,Murphy NE,Castellani JW,Gundersen Y,Hoke AV,Levangie MW,Kumar R,Chakraborty N,Gautam A,Hammamieh R,Martini S,Mountain SJ,Pasiakos SM

Effect of Whole Grain Qingke (Tibetan *Hordeum vulgare* L. Zangqing 320) on the Serum Lipid Levels and Intestinal Microbiota of Rats under High-Fat Diet.

Journal of agricultural and food chemistry , Volume: 65 Issue: 13 2017 Apr 5

Authors Xia X,Li G,Ding Y,Ren T,Zheng J,Kan J

Consumption of a diet rich in Brassica vegetables is associated with a reduced abundance of sulphate-reducing bacteria: A randomised crossover study.

Molecular nutrition & food research , Volume: 61 Issue: 9 2017 Sep

Authors Kellingray L,Tapp HS,Saha S,Doleman JF,Narbad A,Mithen RF

Effect of dietary polyphenol-rich grape seed on growth performance, antioxidant capacity and ileal microflora in broiler chicks.

Journal of animal physiology and animal nutrition , Volume: 102 Issue: 1 2018 Feb

Authors Abu Hafsa SH,Ibrahim SA

Influence of ad Libitum Feeding of Piglets With *Bacillus Subtilis* Fermented Liquid Feed on Gut Flora, Luminal Contents and Health.

Scientific reports , Volume: 7 2017 Mar 14

Authors He Y,Mao C,Wen H,Chen Z,Lai T,Li L,Lu W,Wu H

Key bacterial families (Clostridiaceae, Erysipelotrichaceae and Bacteroidaceae) are related to the digestion of protein and energy in dogs.

PeerJ , Volume: 5 2017

Authors Bermingham EN,Maclean P,Thomas DG,Cave NJ,Young W

Raw meat based diet influences faecal microbiome and end products of fermentation in healthy dogs.

BMC veterinary research , Volume: 13 Issue: 1 2017 Feb 28

Authors Sandri M,Dal Monego S,Conte G,Sgorlon S,Stefanon B

In vitro fermentation of oat β -glucan and hydrolysates by fecal microbiota and selected probiotic strains.

Journal of the science of food and agriculture , Volume: 97 Issue: 12 2017 Sep

Authors Dong JL,Yu X,Dong LE,Shen RL

The effect of soymilk intake on the fecal microbiota, particularly *Bifidobacterium* species, and intestinal environment of healthy adults: a pilot study.

Bioscience of microbiota, food and health , Volume: 36 Issue: 1 2017

Authors Fujisawa T, Ohashi Y, Shin R, Narai-Kanayama A, Nakagaki T

Apple Polysaccharide inhibits microbial dysbiosis and chronic inflammation and modulates gut permeability in HFD-fed rats.

International journal of biological macromolecules , Volume: 99 2017 Jun

Authors Wang S, Li Q, Zang Y, Zhao Y, Liu N, Wang Y, Xu X, Liu L, Mei Q

Specific inulin-type fructan fibers protect against autoimmune diabetes by modulating gut immunity, barrier function, and microbiota homeostasis.

Molecular nutrition & food research , Volume: 61 Issue: 8 2017 Aug

Authors Chen K, Chen H, Faas MM, de Haan BJ, Li J, Xiao P, Zhang H, Diana J, de Vos P, Sun J

Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.

Gut , Volume: 66 Issue: 11 2017 Nov

Authors Vandeputte D, Falony G, Vieira-Silva S, Wang J, Sailer M, Theis S, Verbeke K, Raes J

Of the milk sugars, galactose, but not prebiotic galacto-oligosaccharide, improves insulin sensitivity in male Sprague-Dawley rats.

PLoS one , Volume: 12 Issue: 2 2017

Authors Stahel P, Kim JJ, Xiao C, Cant JP

Kodo millet whole grain and bran supplementation prevents high-fat diet induced derangements in a lipid profile, inflammatory status and gut bacteria in mice.

Food & function , Volume: 8 Issue: 3 2017 Mar 22

Authors Sarma SM, Khare P, Jagtap S, Singh DP, Baboota RK, Podili K, Boparai RK, Kaur J, Bhutani KK, Bishnoi M, Kondepudi KK

Substituting whole grains for refined grains in a 6-wk randomized trial has a modest effect on gut microbiota and immune and inflammatory markers of healthy adults.

The American journal of clinical nutrition , Volume: 105 Issue: 3 2017 Mar

Authors Vanegas SM, Meydani M, Barnett JB, Goldin B, Kane A, Rasmussen H, Brown C, Vangay P, Knights D, Jonnalagadda S, Koecher K, Karl JP, Thomas M, Dolnikowski G, Li L, Saltzman E, Wu D, Meydani SN

Microbial shifts in the porcine distal gut in response to diets supplemented with Enterococcus Faecalis as alternatives to antibiotics.

Scientific reports , Volume: 7 2017 Feb 6

Authors Li P, Niu Q, Wei Q, Zhang Y, Ma X, Kim SW, Lin M, Huang R

Drunk bugs: Chronic vapour alcohol exposure induces marked changes in the gut microbiome in mice.

Behavioural brain research , Volume: 323 2017 Apr 14

Authors Peterson VL, Jury NJ, Cabrera-Rubio R, Draper LA, Crispie F, Cotter PD, Dinan TG, Holmes A, Cryan JF

Association of Dietary Patterns With Risk of Colorectal Cancer Subtypes Classified by Fusobacterium nucleatum in Tumor Tissue.

JAMA oncology , Volume: 3 Issue: 7 2017 Jul 1

Authors Mehta RS, Nishihara R, Cao Y, Song M, Mima K, Qian ZR, Nowak JA, Kosumi K, Hamada T, Masugi Y, Bullman S, Drew DA, Kostic AD, Fung TT, Garrett WS, Huttenhower C, Wu K, Meyerhardt JA, Zhang X, Willett WC, Giovannucci EL, Fuchs CS, Chan AT, Ogino S

A metagenomic study of the preventive effect of Lactobacillus rhamnosus GG on intestinal polyp formation in Apc^{Min/+} mice.

Journal of applied microbiology , Volume: 122 Issue: 3 2017 Mar

Authors Ni Y, Wong VH, Tai WC, Li J, Wong WY, Lee MM, Fong FL, El-Nezami H, Panagiotou G

Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome.

Diabetes , Volume: 66 Issue: 2 2017 Feb

Authors Sung MM, Kim TT, Denou E, Soltys CM, Hamza SM, Byrne NJ, Masson G, Park H, Wishart DS, Madsen KL, Schertzer JD, Dyck JR

Gut-borne Saccharomyces cerevisiae, a promising candidate for the formulation of feed additives, modulates immune system and gut microbiota.

Beneficial microbes , Volume: 7 Issue: 5 2016 Nov 30

Authors García G, Dogi C, de Moreno de LeBlanc A, Greco C, Cavaglieri L

Hypocholesterolemic and Prebiotic Effects of a Whole-Grain Oat-Based Granola Breakfast Cereal in a Cardio-Metabolic "At Risk" Population.

Frontiers in microbiology , Volume: 7 2016

Authors Connolly ML, Tzounis X, Tuohy KM, Lovegrove JA

Veggies and Intact Grains a Day Keep the Pathogens Away.

Cell , Volume: 167 Issue: 5 2016 Nov 17

Authors Gazzaniga FS, Kasper DL

Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon

bacteria in the presence of inulin-type fructans.

International journal of food microbiology , Volume: 241 2017 Jan 16

Authors Moens F,Verce M,De Vuyst L

Soy and Gut Microbiota: Interaction and Implication for Human Health.

Journal of agricultural and food chemistry , Volume: 64 Issue: 46 2016 Nov 23

Authors Huang H,Krishnan HB,Pham Q,Yu LL,Wang TT

Effects of long-term Bacillus subtilis CGMCC 1.921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens.

Poultry science , Volume: 96 Issue: 5 2017 May 1

Authors Guo JR,Dong XF,Liu S,Tong JM

Unusual sub-genus associations of faecal Prevotella and Bacteroides with specific dietary patterns.

Microbiome , Volume: 4 Issue: 1 2016 Oct 21

Authors De Filippis F,Pellegrini N,Laghi L,Gobbetti M,Ercolini D

Short- and long-term effects of oral vancomycin on the human intestinal microbiota.

The Journal of antimicrobial chemotherapy , Volume: 72 Issue: 1 2017 Jan

Authors Isaac S,Scher JU,Djukovic A,Jiménez N,Littman DR,Abramson SB,Pamer EG,Ubeda C

Dairy and plant based food intakes are associated with altered faecal microbiota in 2 to 3 year old Australian children.

Scientific reports , Volume: 6 2016 Oct 3

Authors Smith-Brown P,Morrison M,Krause L,Davies PS

Effect of Chicory-derived Inulin on Abdominal Sensations and Bowel Motor Function.

Journal of clinical gastroenterology , Volume: 51 Issue: 7 2017 Aug

Authors Azpiroz F,Molne L,Mendez S,Nieto A,Manichanh C,Mego M,Accarino A,Santos J,Sailer M,Theis S,Guarner F

Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.

Journal of the science of food and agriculture , Volume: 97 Issue: 8 2017 Jun

Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD

Benefits of Bifidobacterium animalis subsp. lactis Probiotic in Experimental Periodontitis.

Journal of periodontology , Volume: 88 Issue: 2 2017 Feb

Authors Oliveira LF,Salvador SL,Silva PH,Furlaneto FA,Figueiredo L,Casarin R,Evolino E,Palioto DB,Souza SL,Taba M Jr,Novaes AB Jr,Messora MR

Apple peel polyphenols: a key player in the prevention and treatment of experimental inflammatory bowel disease.

Clinical science (London, England : 1979) , Volume: 130 Issue: 23 2016 Dec 1

Authors Denis MC,Roy D,Yeganeh PR,Desjardins Y,Varin T,Haddad N,Amre D,Sané AT,Garofalo C,Furtos A,Patey N,Delvin E,Tremblay E,Marette A,Beaulieu JF,Levy E

Non-absorbable apple procyanidins prevent obesity associated with gut microbial and metabolomic changes.

Scientific reports , Volume: 6 2016 Aug 10

Authors Masumoto S,Terao A,Yamamoto Y,Mukai T,Miura T,Shoji T

Association of Intestinal Microbiota with Metabolic Markers and Dietary Habits in Patients with Type 2 Diabetes.

Digestion , Volume: 94 Issue: 2 2016

Authors Yamaguchi Y,Adachi K,Sugiyama T,Shimozato A,Ebi M,Ogasawara N,Funaki Y,Goto C,Sasaki M,Kasugai K

Supplementation with fruit and okara soybean by-products and amaranth flour increases the folate production by starter and probiotic cultures.

International journal of food microbiology , Volume: 236 2016 Nov 7

Authors Albuquerque MA,Bedani R,Vieira AD,LeBlanc JG,Saad SM

The Gut Microbiota from Lean and Obese Subjects Contribute Differently to the Fermentation of Arabinogalactan and Inulin.

PloS one , Volume: 11 Issue: 7 2016

Authors Aguirre M,Bussolo de Souza C,Venema K

Addition of arabinoxylan and mixed linkage glucans in porcine diets affects the large intestinal bacterial populations.

European journal of nutrition , Volume: 56 Issue: 6 2017 Sep

Authors Gorham JB,Kang S,Williams BA,Grant LJ,McSweeney CS,Gidley MJ,Mikkelsen D

In vitro antimicrobial activity of five essential oils on multidrug resistant Gram-negative clinical isolates.

Journal of intercultural ethnopharmacology , Volume: 5 Issue: 3 2016 Jun-Aug

Authors Sakkas H,Gousia P,Economou V,Sakkas V,Petsios S,Papadopoulou C

Short communication: Modulation of the small intestinal microbial community composition over short-term or long-term administration with Lactobacillus plantarum ZDY2013.

Journal of dairy science , Volume: 99 Issue: 9 2016 Sep

Authors Xie Q,Pan M,Huang R,Tian X,Tao X,Shah NP,Wei H,Wan C

Ecophysiological consequences of alcoholism on human gut microbiota: implications for ethanol-related pathogenesis of colon cancer.

Scientific reports , Volume: 6 2016 Jun 13

Authors Tsuruya A,Kuwahara A,Saito Y,Yamaguchi H,Tsubo T,Suga S,Inai M,Aoki Y,Takahashi S,Tsutsumi E,Suwa Y,Morita H,Kinoshta K,Totsuka Y,Suda W,Oshima K,Hattori M,Mizukami T,Yokoyama A,Shimoyama T,Nakayama T

Obese ZDF rats fermented resistant starch with effects on gut microbiota but no reduction in abdominal fat.

Molecular nutrition & food research , Volume: 61 Issue: 1 2017 Jan

Authors Goldsmith F,Guice J,Page R,Welsh DA,Taylor CM,Blanchard EE,Luo M,Raggio AM,Stout RW,Carvajal-Aldaz D,Gaither A,Pelkman C,Ye J,Martin RJ,Geaghan J,Durham HA,Coulon D,Keenan MJ

A proteomic approach towards understanding the cross talk between Bacteroides fragilis and Bifidobacterium longum in coculture.

Canadian journal of microbiology , Volume: 62 Issue: 7 2016 Jul

Authors Ríos-Covián D,Sánchez B,Martínez N,Cuesta I,Hernández-Barranco AM,de Los Reyes-Gavilán CG,Gueimonde M

Screening of Bifidobacteria and Lactobacilli Able to Antagonize the Cytotoxic Effect of Clostridium difficile upon Intestinal Epithelial HT29 Monolayer.

Frontiers in microbiology , Volume: 7 2016

Authors Valdés-Varela L,Alonso-Guervos M,García-Suárez O,Gueimonde M,Ruas-Madiedo P

Effects of two different probiotics on microflora, morphology, and morphometry of gut in organic laying hens.

Poultry science , Volume: 95 Issue: 11 2016 Nov 1

Authors Forte C,Acuti G,Manuali E,Casagrande Proietti P,Pavone S,Trabalza-Marinucci M,Moscato L,Onofri A,Lorenzetti C,Franciosi MP

Effect of probiotic yoghurt on animal-based diet-induced change in gut microbiota: an open, randomised, parallel-group study.

Beneficial microbes , Volume: 7 Issue: 4 2016 Sep

Authors Odamaki T,Kato K,Sugahara H,Xiao JZ,Abe F,Benno Y

Survey of the Antibiofilm and Antimicrobial Effects of Zingiber officinale (in Vitro Study).

Jundishapur journal of microbiology , Volume: 9 Issue: 2 2016 Feb

Authors Aghazadeh M,Zahedi Bialvaei A,Aghazadeh M,Kabiri F,Saliani N,Yousefi M,Eslami H,Samadi Kafil H

Lingonberries alter the gut microbiota and prevent low-grade inflammation in high-fat diet fed mice.

Food & nutrition research , Volume: 60 2016

Authors Heyman-Lindén L,Kotowska D,Sand E,Bjursell M,Plaza M,Turner C,Holm C,Fåk F,Berger K

Lactobacillus rhamnosus GG Intake Modifies Preschool Children`s Intestinal Microbiota, Alleviates Penicillin-Associated Changes, and Reduces Antibiotic Use.

PloS one , Volume: 11 Issue: 4 2016

Authors Korpela K,Salonen A,Virta LJ,Kumpu M,Kekkonen RA,de Vos WM

Gas chromatography coupled with mass spectrometric characterization of Curcuma longa: Protection against pathogenic microbes and lipid peroxidation in rat`s tissue homogenate.

Pakistan journal of pharmaceutical sciences , Volume: 29 Issue: 2 2016 Mar

Authors Hassan W,Gul S,Rehman S,Kanwal F,Afridi MS,Fazal H,Shah Z,Rahman A,da Rocha JB

In vitro bactericidal activity of promising nutraceuticals for targeting multidrug resistant Pseudomonas aeruginosa.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 32 Issue: 7-8 2016 Jul-Aug

Authors Chakotiya AS,Chawla R,Thakur P,Tanwar A,Narula A,Grover SS,Goel R,Arora R,Sharma RK

Nondigestible Fructans Alter Gastrointestinal Barrier Function, Gene Expression, Histomorphology, and the Microbiota Profiles of Diet-Induced Obese C57BL/6J Mice.

The Journal of nutrition , Volume: 146 Issue: 5 2016 May

Authors Liu TW,Cephas KD,Holscher HD,Kerr KR,Mangian HF,Tappenden KA,Swanson KS

Intake of Meat Proteins Substantially Increased the Relative Abundance of Genus Lactobacillus in Rat Feces.

PloS one , Volume: 11 Issue: 4 2016

Authors Zhu Y,Lin X,Li H,Li Y,Shi X,Zhao F,Xu X,Li C,Zhou G

Effect of Formula Containing Lactobacillus reuteri DSM 17938 on Fecal Microbiota of Infants Born by Cesarean-Section.

Journal of pediatric gastroenterology and nutrition , Volume: 63 Issue: 6 2016 Dec

Authors García Rodenas CL,Lepage M,Ngom-Bru C,Fotiou A,Papagaroufalos K,Berger B

Antimicrobial activities of six essential oils commonly used as condiments in Brazil against Clostridium perfringens.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 47 Issue: 2 2016 Apr-Jun

Authors Radaelli M,da Silva BP,Weidlich L,Hoehne L,Flach A,da Costa LA,Ethur EM

In vitro extraction and fermentation of polyphenols from grape seeds (Vitis vinifera) by human intestinal microbiota.

Food & function , Volume: 7 Issue: 4 2016 Apr

Authors Zhou L,Wang W,Huang J,Ding Y,Pan Z,Zhao Y,Zhang R,Hu B,Zeng X

Impact of probiotic supplements on microbiome diversity following antibiotic treatment of mice

Gut Microbes , Volume: 7 Issue: 2 2016 Mar 10Authors *Grazul H,Kanda LL,Gondek D*[Effect of Wheat Dietary Fiber Particle Size during Digestion In Vitro on Bile Acid, Faecal Bacteria and Short-Chain Fatty Acid Content.](#)**Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 71 Issue: 2 2016 Jun**Authors *Dziedzic K,Szwengiel A,Górecka D,Gujaska E,Kaczowska J,Drozdzyńska A,Walkowiak J*[Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.](#)**Food & function , Volume: 7 Issue: 3 2016 Mar**Authors *Xie JH,Fan ST,Nie SP,Yu Q,Xiong T,Gong D,Xie MY*[High Molecular Weight Barley \$\beta\$ -Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk.](#)**Frontiers in microbiology , Volume: 7 2016**Authors *Wang Y,Ames NP,Tun HM,Tosh SM,Jones PJ,Khafipour E*[Lingonberries reduce atherosclerosis in Apoe\(-/-\) mice in association with altered gut microbiota composition and improved lipid profile.](#)**Molecular nutrition & food research , Volume: 60 Issue: 5 2016 May**Authors *Matziouridou C,Marung'ruang N,Nguyen TD,Nyman M,Fåk F*[In Vitro Antimicrobial Activity of Spices and Medicinal Herbs against Selected Microbes Associated with Juices.](#)**International journal of microbiology , Volume: 2016 2016**Authors *Dhiman R,Aggarwal N,Aneja KR,Kaur M*[Purification and characteristics of a novel bacteriocin produced by Enterococcus faecalis L11 isolated from Chinese traditional fermented cucumber.](#)**Biotechnology letters , Volume: 38 Issue: 5 2016 May**Authors *Gao Y,Li B,Li D,Zhang L*[The Colonic Microbiome and Epithelial Transcriptome Are Altered in Rats Fed a High-Protein Diet Compared with a Normal-Protein Diet.](#)**The Journal of nutrition , Volume: 146 Issue: 3 2016 Mar**Authors *Mu C,Yang Y,Luo Z,Guan L,Zhu W*[The Effects of Inulin on Characteristics of Lactobacillus paracasei TD3 \(IBRC-M 10784\) as Probiotic Bacteria in vitro.](#)**Archives of Iranian medicine , Volume: 19 Issue: 2 2016 Feb**Authors *Mahboubi M,Kazempour N*[Antimicrobial Properties of a Potential Probiotic Lactobacillus from Thai Newborn Feces.](#)**Journal of the Medical Association of Thailand = Chotmaihet thangphaet , Volume: 98 Suppl 9 2015 Oct**Authors *Chimchang J,Theparee T,Ladda B,Tanasupawat S,Wongsatayanon BT,Taweechotipatr M*[Evaluation of probiotic properties of Lactobacillus plantarum WLPL04 isolated from human breast milk.](#)**Journal of dairy science , Volume: 99 Issue: 3 2016 Mar**Authors *Jiang M,Zhang F,Wan C,Xiong Y,Shah NP,Wei H,Tao X*[Antibacterial Activity of Probiotic Lactobacillus plantarum HK01: Effect of Divalent Metal Cations and Food Additives on Production Efficiency of Antibacterial Compounds.](#)**Probiotics and antimicrobial proteins , Volume: 5 Issue: 2 2013 Jun**Authors *Sharafi H,Alidost L,Lababpour A,Shahbani Zahiri H,Abbasi H,Vali H,Akbari Noghabi K*[Probiotic Characteristics of Lactobacillus plantarum FH185 Isolated from Human Feces.](#)**Korean journal for food science of animal resources , Volume: 35 Issue: 5 2015**Authors *Park SY,Lim SD*[Extrusion of barley and oat influence the fecal microbiota and SCFA profile of growing pigs.](#)**Food & function , Volume: 7 Issue: 2 2016 Feb**Authors *Moen B,Berget I,Rud I,Hole AS,Kjos NP,Sahlström S*[Western diet induces a shift in microbiota composition enhancing susceptibility to Adherent-Invasive E. coli infection and intestinal inflammation.](#)**Scientific reports , Volume: 6 2016 Jan 8**Authors *Agus A,Denizot J,Thévenot J,Martinez-Medina M,Massier S,Sauvanet P,Bernalier-Donadille A,Denis S,Hofman P,Bonnet R,Billard E,Barnich N*[The Effect of Lactobacillus casei 32G on the Mouse Cecum Microbiota and Innate Immune Response Is Dose and Time Dependent.](#)**PloS one , Volume: 10 Issue: 12 2015**Authors *Aktas B,De Wolfe TJ,Tandee K,Safdar N,Darien BJ,Steele JL*[Fecal microbiome of growing pigs fed a cereal based diet including chicory \(Cichorium intybus L.\) or ribwort \(Plantago lanceolata L.\) forage.](#)

Journal of animal science and biotechnology , Volume: 6 2015

Authors Dicksved J,Jansson JK,Lindberg JE

[Changes in Gut and Plasma Microbiome following Exercise Challenge in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome \(ME/CFS\).](#)**PloS one** , Volume: 10 Issue: 12 2015

Authors Shukla SK,Cook D,Meyer J,Vernon SD,Le T,Clevidence D,Robertson CE,Schrodi SJ,Yale S,Frank DN

[Effects of probiotics *Pediococcus acidilactici* strain MA18/5M and *Saccharomyces cerevisiae* subsp. *boulardii* strain SB-CNCM I-1079 on fecal and intestinal microbiota of nursing and weanling piglets.](#)**Journal of animal science** , Volume: 93 Issue: 11 2015 Nov

Authors Brousseau JP,Talbot G,Beaudoin F,Lauzon K,Roy D,Lessard M

[Role of colonic microbiota in colorectal carcinogenesis: a systematic review.](#)**Revista espanola de enfermedades digestivas** , Volume: 107 Issue: 11 2015 Nov

Authors Borges-Canha M,Portela-Cidade JP,Dinis-Ribeiro M,Leite-Moreira AF,Pimentel-Nunes P

[Membrane filter method to study the effects of *Lactobacillus acidophilus* and *Bifidobacterium longum* on fecal microbiota.](#)**Microbiology and immunology** , Volume: 59 Issue: 11 2015 Nov

Authors Shimizu H,Benno Y

[Effect of *Bacillus subtilis* CGMCC 1.1086 on the growth performance and intestinal microbiota of broilers.](#)**Journal of applied microbiology** , Volume: 120 Issue: 1 2016 Jan

Authors Li Y,Xu Q,Huang Z,Lv L,Liu X,Yin C,Yan H,Yuan J

[Meat, dairy and plant proteins alter bacterial composition of rat gut bacteria.](#)**Scientific reports** , Volume: 5 2015 Oct 14

Authors Zhu Y,Lin X,Zhao F,Shi X,Li H,Li Y,Zhu W,Xu X,Li C,Zhou G

[*Brevibacillus laterosporus*, a Pathogen of Invertebrates and a Broad-Spectrum Antimicrobial Species.](#)**Insects** , Volume: 4 Issue: 3 2013 Sep 5

Authors Rui L

[Bacteriocin-producing strains of *Lactobacillus plantarum* inhibit adhesion of *Staphylococcus aureus* to extracellular matrix: quantitative insight and implications in antibacterial therapy.](#)**Journal of medical microbiology** , Volume: 64 Issue: 12 2015 Dec

Authors Mukherjee S,Ramesh A

[Phenolic compounds from red wine and coffee are associated with specific intestinal microorganisms in allergic subjects.](#)**Food & function** , Volume: 7 Issue: 1 2016 Jan

Authors Cuervo A,Hevia A,López P,Suárez A,Díaz C,Sánchez B,Margolles A,González S

[Stability of saliva microbiota during moderate consumption of red wine.](#)**Archives of oral biology** , Volume: 60 Issue: 12 2015 Dec

Authors Barroso E,Martín V,Martínez-Cuesta MC,Peláez C,Requena T

[Table grape consumption reduces adiposity and markers of hepatic lipogenesis and alters gut microbiota in butter fat-fed mice.](#)**The Journal of nutritional biochemistry** , Volume: 27 2016 Jan

Authors Baldwin J,Collins B,Wolf PG,Martinez K,Shen W,Chuang CC,Zhong W,Cooney P,Cockrell C,Chang E,Gaskins HR,McIntosh MK

[\[Effect of probiotic product containing bifidobacteria and biogel from brown algae on the intestinal microflora and parameters of innate immunity in mice with experimental drug dysbacteriosis\].](#)**Voprosy pitaniia** , Volume: 84 Issue: 1 2015

Authors Kuznetsova TA,Makarenkova ID,Koneva EL,Aminina NM,Yakush EV

[Microbial populations and fermentation profiles in rumen liquid and solids of Holstein cows respond differently to dietary barley processing.](#)**Journal of applied microbiology** , Volume: 119 Issue: 6 2015 Dec

Authors Metzler-Zebeli BU,Khol-Parisini A,Gruber L,Zebeli Q

[*Lactobacillus rhamnosus* GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants.](#)**The ISME journal** , Volume: 10 Issue: 3 2016 Mar

Authors Berni Canani R,Sangwan N,Stefka AT,Nocerino R,Paparo L,Aitoro R,Calignano A,Khan AA,Gilbert JA,Nagler CR

[Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.](#)**Applied and environmental microbiology** , Volume: 81 Issue: 22 2015 Nov

Authors De Angelis M,Montemurno E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

[\[Grape seed proanthocyanidin extracts inhibit lipopolysaccharide of *Porphyromonas gingivalis*\].](#)**Shanghai kou qiang yi xue = Shanghai journal of stomatology** , Volume: 24 Issue: 4 2015 Aug

Authors Ci XK,Chen LP,Ou XY

[Effects of pre-encapsulated and pro-encapsulated *Enterococcus faecalis* on growth performance, blood characteristics, and](#)

[cecal microflora in broiler chickens.](#)

Poultry science , Volume: 94 Issue: 11 2015 Nov

Authors Zhang L,Li J,Yun TT,Qi WT,Liang XX,Wang YW,Li AK

[Saccharomyces boulardii CNCM I-745 supports regeneration of the intestinal microbiota after diarrheic dysbiosis - a review.](#)

Clinical and experimental gastroenterology , Volume: 8 2015

Authors Moré MI,Swidsinski A

[Equol status and changes in fecal microbiota in menopausal women receiving long-term treatment for menopause symptoms with a soy-isoflavone concentrate.](#)

Frontiers in microbiology , Volume: 6 2015

Authors Guadamuro L,Delgado S,Redruello B,Flórez AB,Suárez A,Martínez-Camblor P,Mayo B

[Reutericyclin producing Lactobacillus reuteri modulates development of fecal microbiota in weanling pigs.](#)

Frontiers in microbiology , Volume: 6 2015

Authors Yang Y,Zhao X,Le MH,Zijlstra RT,Gänzle MG

[\[Lactobacillus rhamnosus GG inhibits Cronobacter-induced meningitis in neonatal rats\].](#)

Nan fang yi ke da xue xue bao = Journal of Southern Medical University , Volume: 35 Issue: 8 2015 Aug

Authors Zhong L,Lin R,Long B,Wu X,Fan H

[In vitro digestion and fermentation properties of linear sugar-beet arabinan and its oligosaccharides.](#)

Carbohydrate polymers , Volume: 131 2015 Oct 20

Authors Moon JS,Shin SY,Choi HS,Joo W,Cho SK,Li L,Kang JH,Kim TJ,Han NS

[Effect of starch source \(corn, oats or wheat\) and concentration on fermentation by equine faecal microbiota in vitro.](#)

Journal of applied microbiology , Volume: 119 Issue: 5 2015 Nov

Authors Harlow BE,Donley TM,Lawrence LM,Flythe MD

[In vitro and in vivo examination of anticolonization of pathogens by Lactobacillus paracasei FJ861111.1](#)

Journal of dairy science , Volume: 98 Issue: 10 2015 Oct

Authors Deng K,Chen T,Wu Q,Xin H,Wei Q,Hu P,Wang X,Wang X,Wei H,Shah NP

[In vitro fermentation of lupin seeds \(Lupinus albus\) and broad beans \(Vicia faba\): dynamic modulation of the intestinal microbiota and metabolomic output.](#)

Food & function , Volume: 6 Issue: 10 2015 Oct

Authors Gullón P,Gullón B,Tavaria F,Vasconcelos M,Gomes AM

[Effect of daily intake of pomegranate juice on fecal microbiota and feces metabolites from healthy volunteers.](#)

Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct

Authors Mosele JI,Gosalbes MJ,Macià A,Rubió L,Vázquez-Castellanos JF,Jiménez Hernández N,Moya A,Latorre A,Motilva MJ

[The Role of Curcumin in Modulating Colonic Microbiota During Colitis and Colon Cancer Prevention.](#)

Inflammatory bowel diseases , Volume: 21 Issue: 11 2015 Nov

Authors McFadden RM,Larmonier CB,Shehab KW,Midura-Kiela M,Ramalingam R,Harrison CA,Besselsen DG,Chase JH,Caporaso JG,Jobin C,Ghishan FK,Kiela PR

[Potential protective effects of Clostridium butyricum on experimental gastric ulcers in mice.](#)

World journal of gastroenterology , Volume: 21 Issue: 27 2015 Jul 21

Authors Wang FY,Liu JM,Luo HH,Liu AH,Jiang Y

[Agave Inulin Supplementation Affects the Fecal Microbiota of Healthy Adults Participating in a Randomized, Double-Blind, Placebo-Controlled, Crossover Trial.](#)

The Journal of nutrition , Volume: 145 Issue: 9 2015 Sep

Authors Holscher HD,Bauer LL,Gourineni V,Pelkman CL,Fahey GC Jr,Swanson KS

[Gelucire-Based Nanoparticles for Curcumin Targeting to Oral Mucosa: Preparation, Characterization, and Antimicrobial Activity Assessment.](#)

Journal of pharmaceutical sciences , Volume: 104 Issue: 11 2015 Nov

Authors Hazzah HA,Farid RM,Nasra MMA,Hazzah WA,El-Massik MA,Abdallah OY

[Pomegranate extract induces ellagitannin metabolite formation and changes stool microbiota in healthy volunteers.](#)

Food & function , Volume: 6 Issue: 8 2015 Aug

Authors Li Z,Henning SM,Lee RP,Lu QY,Summanen PH,Thames G,Corbett K,Downes J,Tseng CH,Finegold SM,Heber D

[Modulation of gut microbiota in rats fed high-fat diets by processing whole-grain barley to barley malt.](#)

Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct

Authors Zhong Y,Nyman M,Fåk F

[Wheat and barley differently affect porcine intestinal microbiota.](#)

Journal of the science of food and agriculture , Volume: 96 Issue: 6 2016 Apr

Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R

[In vitro probiotic characteristics of Lactobacillus plantarum ZDY 2013 and its modulatory effect on gut microbiota of mice.](#)

Journal of dairy science , Volume: 98 Issue: 9 2015 Sep

Authors Huang R,Tao X,Wan C,Li S,Xu H,Xu F,Shah NP,Wei H

[In situ identification and quantification of starch-hydrolyzing bacteria attached to barley and corn grain in the rumen of cows fed barley-based diets.](#)

FEMS microbiology ecology , Volume: 91 Issue: 8 2015 Aug

Authors Xia Y,Kong Y,Seviour R,Yang HE,Forster R,Vasanthan T,McAllister T

[In vitro characterisation of the fermentation profile and prebiotic capacity of gold-fleshed kiwifruit.](#)

Beneficial microbes , Volume: 6 Issue: 6 2015

Authors Blatchford P,Bentley-Hewitt KL,Stoklosinski H,McGhie T,Gearry R,Gibson G,Ansell J

[In Vitro Effects of Dietary Inulin on Human Fecal Microbiota and Butyrate Production.](#)

Journal of microbiology and biotechnology , Volume: 25 Issue: 9 2015 Sep

Authors Jung TH,Jeon WM,Han KS

[Butyrylated starch intake can prevent red meat-induced O6-methyl-2-deoxyguanosine adducts in human rectal tissue: a randomised clinical trial.](#)

The British journal of nutrition , Volume: 114 Issue: 2 2015 Jul

Authors Le Leu RK,Winter JM,Christophersen CT,Young GP,Humphreys KJ,Hu Y,Gratz SW,Miller RB,Topping DL,Bird AR,Conlon MA

[Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.](#)

Recent patents on food, nutrition & agriculture , Volume: 7 Issue: 1 2015

Authors Ozogul Y,Kuley E,Ucar Y,Ozogul F

[Pomegranate ellagitannins stimulate growth of gut bacteria in vitro: Implications for prebiotic and metabolic effects.](#)

Anaerobe , Volume: 34 2015 Aug

Authors Li Z,Summanen PH,Komoriya T,Henning SM,Lee RP,Carlson E,Heber D,Finegold SM

[Interactions between Diet, Bile Acid Metabolism, Gut Microbiota, and Inflammatory Bowel Diseases.](#)

Digestive diseases (Basel, Switzerland) , Volume: 33 Issue: 3 2015

Authors Devkota S,Chang EB

[Review article: dietary fibre-microbiota interactions.](#)

Alimentary pharmacology & therapeutics , Volume: 42 Issue: 2 2015 Jul

Authors Simpson HL,Campbell BJ

[Different Dynamic Patterns of \$\beta\$ -Lactams, Quinolones, Glycopeptides and Macrolides on Mouse Gut Microbial Diversity.](#)

PloS one , Volume: 10 Issue: 5 2015

Authors Yin J,M P,Wang S,Liao SX,Peng X,He Y,Chen YR,Shen HF,Su J,Chen Y,Jiang YX,Zhang GX,Zhou HW

[Bacillus coagulans GBI-30, 6086 Modulates Faecalibacterium prausnitzii in Older Men and Women.](#)

The Journal of nutrition , Volume: 145 Issue: 7 2015 Jul

Authors Nyangale EP,Farmer S,Cash HA,Keller D,Chernoff D,Gibson GR

[Oral Microbiota Shift after 12-Week Supplementation with Lactobacillus reuteri DSM 17938 and PTA 5289; A Randomized Control Trial.](#)

PloS one , Volume: 10 Issue: 5 2015

Authors Romani Vestman N,Chen T,Lif Holgersson P,Öhman C,Johansson I

[Effects of Probiotics on Gut Microbiota in Patients with Inflammatory Bowel Disease: A Double-blind, Placebo-controlled Clinical Trial.](#)

The Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi , Volume: 65 Issue: 4 2015 Apr

Authors Shadnough M,Hosseini RS,Khalilnezhad A,Navai L,Goudarzi H,Vaezjalali M

[Antifungal and antibacterial metabolites from a French poplar type propolis.](#)

Evidence-based complementary and alternative medicine : eCAM , Volume: 2015 2015

Authors Boisard S,Le Ray AM,Landreau A,Kempf M,Cassisa V,Flurin C,Richomme P

[Effects of two whole-grain barley varieties on caecal SCFA, gut microbiota and plasma inflammatory markers in rats consuming low- and high-fat diets.](#)

The British journal of nutrition , Volume: 113 Issue: 10 2015 May 28

Authors Zhong Y,Marungruang N,Fåk F,Nyman M

[Comparative in vitro fermentations of cranberry and grape seed polyphenols with colonic microbiota.](#)

Food chemistry , Volume: 183 2015 Sep 15

Authors Sánchez-Patán F,Barroso E,van de Wiele T,Jiménez-Girón A,Martín-Alvarez PJ,Moreno-Arribas MV,Martínez-Cuesta MC,Peláez C,Requena T,Bartolomé B

[Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic bacteria.](#)

International journal of food microbiology , Volume: 202 2015 Jun 2

Authors Akdemir Evrendilek G

[Increased gut microbiota diversity and abundance of Faecalibacterium prausnitzii and Akkermansia after fasting: a pilot](#)

study.

Wiener klinische Wochenschrift , Volume: 127 Issue: 9-10 2015 May

Authors Remely M,Hippe B,Geretschlaeger I,Stegmayer S,Hoefinger I,Haslberger A

Red wine consumption is associated with fecal microbiota and malondialdehyde in a human population.

Journal of the American College of Nutrition , Volume: 34 Issue: 2 2015

Authors Cuervo A,Reyes-Gavilán CG,Ruas-Madiedo P,Lopez P,Suarez A,Gueimonde M,González S

Pilot dietary intervention with heat-stabilized rice bran modulates stool microbiota and metabolites in healthy adults.

Nutrients , Volume: 7 Issue: 2 2015 Feb 16

Authors Sheflin AM,Borresen EC,Wdowik MJ,Rao S,Brown RJ,Heuberger AL,Broeckling CD,Weir TL,Ryan EP

Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.

Probiotics and antimicrobial proteins , Volume: 7 Issue: 2 2015 Jun

Authors Rao KP,Chennappa G,Suraj U,Nagaraja H,Raj AP,Sreenivasa MY

High amount of dietary fiber not harmful but favorable for Crohn disease.

The Permanente journal , Volume: 19 Issue: 1 2015 Winter

Authors Chiba M,Tsuji T,Nakane K,Komatsu M

The impact of oral consumption of Lactobacillus plantarum P-8 on faecal bacteria revealed by pyrosequencing.

Beneficial microbes , Volume: 6 Issue: 4 2015

Authors Kwok LY,Guo Z,Zhang J,Wang L,Qiao J,Hou Q,Zheng Y,Zhang H

Whole-grain wheat consumption reduces inflammation in a randomized controlled trial on overweight and obese subjects with unhealthy dietary and lifestyle behaviors: role of polyphenols bound to cereal dietary fiber.

The American journal of clinical nutrition , Volume: 101 Issue: 2 2015 Feb

Authors Vitaglione P,Mennella I,Ferracane R,Rivellese AA,Giacco R,Ercolini D,Gibbons SM,La Stora A,Gilbert JA,Jonnalagadda S,Thielecke F,Gallo MA,Scalfi L,Fogliano V

Whole grain oats improve insulin sensitivity and plasma cholesterol profile and modify gut microbiota composition in C57BL/6J mice.

The Journal of nutrition , Volume: 145 Issue: 2 2015 Feb

Authors Zhou AL,Hergert N,Rompato G,Lefevre M

[Clinical benefits after soluble dietary fiber supplementation: a randomized clinical trial in adults with slow-transit constipation].

Zhonghua yi xue za zhi , Volume: 94 Issue: 48 2014 Dec 30

Authors Xu L,Yu W,Jiang J,Li N

Inhibitory effects of different lactobacilli on Candida albicans hyphal formation and biofilm development.

Journal of biological regulators and homeostatic agents , Volume: 28 Issue: 4 2014 Oct-Dec

Authors Orsi CF,Sabia C,Ardizzoni A,Colombi B,Neglia RG,Peppoloni S,Morace G,Blasi E

Dietary Enterococcus faecalis LAB31 improves growth performance, reduces diarrhea, and increases fecal Lactobacillus number of weaned piglets.

PloS one , Volume: 10 Issue: 1 2015

Authors Hu Y,Dun Y,Li S,Zhang D,Peng N,Zhao S,Liang Y

Modulation of the intestinal microbiota is associated with lower plasma cholesterol and weight gain in hamsters fed chardonnay grape seed flour.

Journal of agricultural and food chemistry , Volume: 63 Issue: 5 2015 Feb 11

Authors Kim H,Kim DH,Seo KH,Chon JW,Nah SY,Bartley GE,Arvik T,Lipson R,Yokoyama W

Distinct gene signatures in aortic tissue from ApoE^{-/-} mice exposed to pathogens or Western diet.

BMC genomics , Volume: 15 Issue: 1 2014 Dec 24

Authors Kramer CD,Weinberg EO,Gower AC,He X,Mekasha S,Slocum C,Beaulieu LM,Wetzler L,Alekseyev Y,Gibson FC 3rd,Freedman JE,Ingalls RR,Genco CA

In situ prebiotics for weaning piglets: in vitro production and fermentation of potato galacto-rhamnogalacturonan.

Applied and environmental microbiology , Volume: 81 Issue: 5 2015 Mar

Authors Strube ML,Ravn HC,Ingerslev HC,Meyer AS,Boye M

Effects of the probiotic Enterococcus faecium NCIMB 10415 on selected lactic acid bacteria and enterobacteria in co-culture.

Beneficial microbes , Volume: 6 Issue: 3 2015

Authors Starke IC,Zentek J,Vahjen W

Curcumin attenuated acute Propionibacterium acnes-induced liver injury through inhibition of HMGB1 expression in mice.

International immunopharmacology , Volume: 24 Issue: 2 2015 Feb

Authors Gu Q,Guan H,Shi Q,Zhang Y,Yang H

Metatranscriptomic analyses of plant cell wall polysaccharide degradation by microorganisms in the cow rumen.

Applied and environmental microbiology , Volume: 81 Issue: 4 2015 Feb

Authors Dai X,Tian Y,Li J,Luo Y,Liu D,Zheng H,Wang J,Dong Z,Hu S,Huang L

Antimicrobial Effect of Lactobacillus reuteri on Cariogenic Bacteria Streptococcus gordonii, Streptococcus mutans, and Periodontal Diseases Actinomyces naeslundii and Tannerella forsythia.

Probiotics and antimicrobial proteins , Volume: 7 Issue: 1 2015 Mar

Authors Baca-Castañón ML,De la Garza-Ramos MA,Alcázar-Pizaña AG,Grondin Y,Coronado-Mendoza A,Sánchez-Najera RI,Cárdenas-Estrada E,Medina-De la Garza CE,Escamilla-García E

Arabinoxylan in wheat is more responsible than cellulose for promoting intestinal barrier function in weaned male piglets.

The Journal of nutrition , Volume: 145 Issue: 1 2015 Jan

Authors Chen H,Wang W,Degroote J,Possemiers S,Chen D,De Smet S,Michiels J

Modulation of fecal Clostridiales bacteria and butyrate by probiotic intervention with Lactobacillus paracasei DG varies among healthy adults.

The Journal of nutrition , Volume: 144 Issue: 11 2014 Nov

Authors Ferrario C,Taverniti V,Milani C,Fiore W,Laureati M,De Noni I,Stuknyte M,Chouaia B,Riso P,Guglielmetti S

Diets high in resistant starch and arabinoxylan modulate digestion processes and SCFA pool size in the large intestine and faecal microbial composition in pigs.

The British journal of nutrition , Volume: 112 Issue: 11 2014 Dec 14

Authors Nielsen TS,Lærke HN,Theil PK,Sørensen JF,Saarinen M,Forssten S,Knudsen KE

Active dry Saccharomyces cerevisiae can alleviate the effect of subacute ruminal acidosis in lactating dairy cows.

Journal of dairy science , Volume: 97 Issue: 12 2014 Dec

Authors AlZahal O,Dionissopoulos L,Laarman AH,Walker N,McBride BW

Use of selected lactic acid bacteria in the eradication of Helicobacter pylori infection.

Journal of microbiology (Seoul, Korea) , Volume: 52 Issue: 11 2014 Nov

Authors Kim JE,Kim MS,Yoon YS,Chung MJ,Yum DY

[Chicory extract's influence on gut bacteria of abdominal obesity rat].

Zhongguo Zhong yao za zhi = Zhongguo zhongyao zazhi = China journal of Chinese materia medica , Volume: 39 Issue: 11 2014 Jun

Authors Sun BY,Zhang B,Lin ZJ,Li LY,Wang HP,Zhou J

Effect of Bacillus subtilis C-3102 spores as a probiotic feed supplement on growth performance, noxious gas emission, and intestinal microflora in broilers.

Poultry science , Volume: 93 Issue: 12 2014 Dec

Authors Jeong JS,Kim IH

Dietary supplementation with soybean oligosaccharides increases short-chain fatty acids but decreases protein-derived catabolites in the intestinal luminal content of weaned Huanjiang mini-piglets.

Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep

Authors Zhou XL,Kong XF,Lian GQ,Blachier F,Geng MM,Yin YL

Effect of prebiotics on the fecal microbiota of elderly volunteers after dietary supplementation of Bacillus coagulans GBI-30, 6086.

Anaerobe , Volume: 30 2014 Dec

Authors Nyangale EP,Farmer S,Keller D,Chernoff D,Gibson GR

Long-term intake of a high prebiotic fiber diet but not high protein reduces metabolic risk after a high fat challenge and uniquely alters gut microbiota and hepatic gene expression.

Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep

Authors Saha DC,Reimer RA

Synbiotic Lactobacillus acidophilus NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial.

FEMS microbiology ecology , Volume: 90 Issue: 1 2014 Oct

Authors van Zanten GC,Krych L,Röytiö H,Forssten S,Lahtinen SJ,Abu Al-Soud W,Sørensen S,Svensson B,Jespersen L,Jakobsen M

Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.

Anaerobe , Volume: 30 2014 Dec

Authors Pitta DW,Pinchak WE,Dowd S,Dorton K,Yoon I,Min BR,Fulford JD,Wickersham TA,Malinowski DP

Coexpression and secretion of endoglucanase and phytase genes in Lactobacillus reuteri.

International journal of molecular sciences , Volume: 15 Issue: 7 2014 Jul 21

Authors Wang L,Yang Y,Cai B,Cao P,Yang M,Chen Y

Effect of Feeding Bacillus subtilis natto on Hindgut Fermentation and Microbiota of Holstein Dairy Cows.

Asian-Australasian journal of animal sciences , Volume: 27 Issue: 4 2014 Apr

Authors Song DJ,Kang HY,Wang JQ,Peng H,Bu DP

Cereal byproducts have prebiotic potential in mice fed a high-fat diet.

Journal of agricultural and food chemistry , Volume: 62 Issue: 32 2014 Aug 13

Authors Berger K,Falck P,Linninge C,Nilsson U,Axling U,Grey C,Stålbrand H,Nordberg Karlsson E,Nyman M,Holm C,Adlercreutz

P

Effect of oral consumption of probiotic *Lactobacillus planatarum* P-8 on fecal microbiota, SIgA, SCFAs, and TBAs of adults of different ages.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 30 Issue: 7-8 2014 Jul-Aug

Authors Wang L,Zhang J,Guo Z,Kwok L,Ma C,Zhang W,Lv Q,Huang W,Zhang H

Effects of probiotic *Enterococcus faecium* and *Saccharomyces cerevisiae* on the faecal microflora of pet rabbits.

The Journal of small animal practice , Volume: 55 Issue: 9 2014 Sep

Authors Benato L,Hastie P,O`Shaughnessy P,Murray JA,Meredith A

High levels of Bifidobacteria are associated with increased levels of anthocyanin microbial metabolites: a randomized clinical trial.

Food & function , Volume: 5 Issue: 8 2014 Aug

Authors Boto-Ordóñez M,Urpi-Sarda M,Queipo-Ortuño MI,Tulipani S,Tinahones FJ,Andres-Lacueva C

Bacteriologic profile and antibiogram of blood culture isolates from a children`s hospital in Kabul.

Journal of the College of Physicians and Surgeons–Pakistan : JCPSP , Volume: 24 Issue: 6 2014 Jun

Authors Tariq TM

Effects of diet on gut microbiota profile and the implications for health and disease.

Bioscience of microbiota, food and health , Volume: 32 Issue: 1 2013

Authors Lee YK

Analysis of interaction property of calycosin-7-O-β-D-glucoside with human gut microbiota.

Journal of chromatography. B, Analytical technologies in the biomedical and life sciences , Volume: 963 2014 Jul 15

Authors Zhang W,Jiang S,Qian D,Shang EX,Duan JA

Second meal effect on appetite and fermentation of wholegrain rye foods.

Appetite , Volume: 80 2014 Sep

Authors Ibrügger S,Vigsnæs LK,Blennow A,Blooming E,Raben A,Lauritzen L,Kristensen M

Efficacy of Papacarie(®) in reduction of residual bacteria in deciduous teeth: a randomized, controlled clinical trial.

Clinics (Sao Paulo, Brazil) , Volume: 69 Issue: 5 2014

Authors Motta LJ,Bussadori SK,Campanelli AP,Silva AL,Alfaya TA,Godoy CH,Navarro MF

Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.

Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug

Authors Barroso E, Van de Wiele T,Jiménez-Girón A,Muñoz-González I,Martín-Alvarez PJ,Moreno-Arribas MV,Bartolomé B,Peláez C,Martínez-Cuesta MC,Requena T

Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.

Food & function , Volume: 5 Issue: 6 2014 Jun

Authors Qiao Y,Sun J,Xia S,Tang X,Shi Y,Le G

454 pyrosequencing reveals changes in the faecal microbiota of adults consuming *Lactobacillus casei* Zhang.

FEMS microbiology ecology , Volume: 88 Issue: 3 2014 Jun

Authors Zhang J,Wang L,Guo Z,Sun Z,Gesudu Q,Kwok L,Menghebilige,Zhang H

Effects of *Lactobacillus plantarum* on production performance, immune characteristics, antioxidant status, and intestinal microflora of bursin-immunized broilers.

Canadian journal of microbiology , Volume: 60 Issue: 4 2014 Apr

Authors Shen X,Yi D,Ni X,Zeng D,Jing B,Lei M,Bian Z,Zeng Y,Li T,Xin J

Changes chemopreventive markers in colorectal cancer development after inulin supplementation.

Bratislavske lekarske listy , Volume: 115 Issue: 2 2014

Authors Hájová E,Szabadosová V,Strojny L,Bomba A

Effects of *Clostridium butyricum* on growth performance, immune function, and cecal microflora in broiler chickens challenged with *Escherichia coli* K88.

Poultry science , Volume: 93 Issue: 1 2014 Jan

Authors Zhang L,Cao GT,Zeng XF,Zhou L,Ferket PR,Xiao YP,Chen AG,Yang CM

Antimicrobial and anti-adhesive properties of biosurfactant produced by lactobacilli isolates, biofilm formation and aggregation ability.

The Journal of general and applied microbiology , Volume: 59 Issue: 6 2013

Authors Zakaria Gomaa E

RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel.

Applied and environmental microbiology , Volume: 80 Issue: 7 2014 Apr

Authors Tannock GW,Lawley B,Munro K,Sims IM, Lee J,Butts CA,Roy N

Doenjang, a fermented Korean soybean paste, inhibits lipopolysaccharide production of gut microbiota in mice.

Journal of medicinal food , Volume: 17 Issue: 1 2014 Jan

Authors Jang SE, Kim KA, Han MJ, Kim DH

[Lactobacillus paracasei subsp. paracasei LC01 positively modulates intestinal microflora in healthy young adults.](#)

Journal of microbiology (Seoul, Korea) , Volume: 51 Issue: 6 2013 Dec

Authors Zhang H, Sun J, Liu X, Hong C, Zhu Y, Liu A, Li S, Guo H, Ren F

[Chicory \(Cichorium intybus L.\) and cereals differently affect gut development in broiler chickens and young pigs.](#)

Journal of animal science and biotechnology , Volume: 4 Issue: 1 2013 Dec 17

Authors Liu H, Ivarsson E, Lundh T, Lindberg JE

[Prebiotic effects of almonds and almond skins on intestinal microbiota in healthy adult humans.](#)

Anaerobe , Volume: 26 2014 Apr

Authors Liu Z, Lin X, Huang G, Zhang W, Rao P, Ni L

[In vitro activity of tigecycline and comparators against Gram-positive and Gram-negative isolates collected from the Middle East and Africa between 2004 and 2011.](#)

International journal of antimicrobial agents , Volume: 43 Issue: 2 2014 Feb

Authors Kanj SS, Whitelaw A, Dowzicky MJ

[Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: a randomised controlled trial.](#)

Clinical nutrition (Edinburgh, Scotland) , Volume: 33 Issue: 6 2014 Dec

Authors Majid HA, Cole J, Emery PW, Whelan K

[Bifidogenic effect of whole-grain wheat during a 12-week energy-restricted dietary intervention in postmenopausal women.](#)

European journal of clinical nutrition , Volume: 67 Issue: 12 2013 Dec

Authors Christensen EG, Licht TR, Kristensen M, Bahl MI

[Effects of a probiotic, Enterococcus faecium, on growth performance, intestinal morphology, immune response, and cecal microflora in broiler chickens challenged with Escherichia coli K88.](#)

Poultry science , Volume: 92 Issue: 11 2013 Nov

Authors Cao GT, Zeng XF, Chen AG, Zhou L, Zhang L, Xiao YP, Yang CM

[Role of probiotics in the prevention and treatment of methicillin-resistant Staphylococcus aureus infections.](#)

International journal of antimicrobial agents , Volume: 42 Issue: 6 2013 Dec

Authors Sikorska H, Smoragiewicz W

[Evaluation of bean and soy tempeh influence on intestinal bacteria and estimation of antibacterial properties of bean tempeh.](#)

Polish journal of microbiology , Volume: 62 Issue: 2 2013

Authors Kuligowski M, Jasinska-Kuligowska I, Nowak J

[Probiotic features of two oral Lactobacillus isolates.](#)

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 43 Issue: 1 2012 Jan

Authors Zavisic G, Petricevic S, Radulovic Z, Begovic J, Golc N, Topisirovic L, Strahinic I

[\[Food value of cichorium intybus\].](#)

Voprosy pitaniia , Volume: 82 Issue: 2 2013

Authors Luzina EV

[Kiwifruit \(Actinidia deliciosa\) changes intestinal microbial profile.](#)

Microbial ecology in health and disease , Volume: 23 2012

Authors Lee YK, Low KY, Siah K, Drummond LM, Gwee KA

[Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL10-deficient mice.](#)

Molecular nutrition & food research , Volume: 57 Issue: 12 2013 Dec

Authors Wang H, Xue Y, Zhang H, Huang Y, Yang G, Du M, Zhu MJ

[Effects of micronized okara dietary fiber on cecal microbiota, serum cholesterol and lipid levels in BALB/c mice.](#)

International journal of food sciences and nutrition , Volume: 64 Issue: 8 2013 Dec

Authors Li T, Zhong JZ, Wan J, Liu CM, Le BY, Liu W, Fu GM

[Antimicrobial Resistance Pattern in Enterococcus faecalis Strains Isolated From Expressed Prostatic Secretions of Patients With Chronic Bacterial Prostatitis.](#)

Korean journal of urology , Volume: 54 Issue: 7 2013 Jul

Authors Seo Y, Lee G

[Lowbush wild blueberries have the potential to modify gut microbiota and xenobiotic metabolism in the rat colon.](#)

PloS one , Volume: 8 Issue: 6 2013

Authors Lacombe A, Li RW, Klimis-Zacas D, Kristo AS, Tadepalli S, Krauss E, Young R, Wu VC

[In vitro characterization of the impact of selected dietary fibers on fecal microbiota composition and short chain fatty acid production.](#)

Anaerobe , Volume: 23 2013 Oct

Authors Yang J,Martínez I,Walter J,Keshavarzian A,Rose DJ

[Effects of microencapsulated Enterococcus faecalis CG1.0007 on growth performance, antioxidation activity, and intestinal microbiota in broiler chickens.](#)

Journal of animal science , Volume: 91 Issue: 9 2013 Sep

Authors Han W,Zhang XL,Wang DW,Li LY,Liu GL,Li AK,Zhao YX

[Probiotic Lactobacillus reuteri attenuates the stressor-enhanced severity of Citrobacter rodentium infection.](#)

Infection and immunity , Volume: 81 Issue: 9 2013 Sep

Authors Mackos AR,Eubank TD,Parry NM,Bailey MT

[Prebiotic effects of arabinoxylan oligosaccharides on juvenile Siberian sturgeon \(Acipenser baerii\) with emphasis on the modulation of the gut microbiota using 454 pyrosequencing.](#)

FEMS microbiology ecology , Volume: 86 Issue: 2 2013 Nov

Authors Geraylou Z,Souffreau C,Rurangwa E,Maes GE,Spanier KI,Courtin CM,Delcour JA,Buyse J,Ollevier F

[In vitro evaluation of Portuguese propolis and floral sources for antiprotozoal, antibacterial and antifungal activity.](#)

Phytotherapy research : PTR , Volume: 28 Issue: 3 2014 Mar

Authors Falcão SI,Vale N,Cos P,Gomes P,Freire C,Maes L,Vilas-Boas M

[Fiber and prebiotics: mechanisms and health benefits.](#)

Nutrients , Volume: 5 Issue: 4 2013 Apr 22

Authors Slavin J

[Inulin-type fructans with different degrees of polymerization improve lipid metabolism but not glucose metabolism in rats fed a high-fat diet under energy restriction.](#)

Digestive diseases and sciences , Volume: 58 Issue: 8 2013 Aug

Authors Han KH,Tsuchihira H,Nakamura Y,Shimada K,Ohba K,Aritsuka T,Uchino H,Kikuchi H,Fukushima M

[Effect of acute and chronic red wine consumption on lipopolysaccharide concentrations.](#)

The American journal of clinical nutrition , Volume: 97 Issue: 5 2013 May

Authors Clemente-Postigo M,Queipo-Ortuño MI,Boto-Ordoñez M,Coin-Aragüez L,Roca-Rodríguez MM,Delgado-Lista J,Cardona F,Andrés-Lacueva C,Tinahones FJ

[Impact of Bifidobacterium bifidum MIMBb75 on mouse intestinal microorganisms.](#)

FEMS microbiology ecology , Volume: 85 Issue: 2 2013 Aug

Authors Singh N,Arioli S,Wang A,Villa CR,Jahani R,Song YS,Mora D,Guglielmetti S,Comelli EM

[Antibacterial activity and mode of action of ferulic and gallic acids against pathogenic bacteria.](#)

Microbial drug resistance (Larchmont, N.Y.) , Volume: 19 Issue: 4 2013 Aug

Authors Borges A,Ferreira C,Saavedra MJ,Simões M

[Grain-rich diets differently alter ruminal and colonic abundance of microbial populations and lipopolysaccharide in goats.](#)

Anaerobe , Volume: 20 2013 Apr

Authors Metzler-Zebeli BU,Schmitz-Esser S,Klevenhusen F,Podstatzky-Lichtenstein L,Wagner M,Zebeli Q

[Comparative analysis of microbial profiles in cow rumen fed with different dietary fiber by tagged 16S rRNA gene pyrosequencing.](#)

Current microbiology , Volume: 67 Issue: 2 2013 Aug

Authors Thoetkiattikul H,Mhuanong W,Laathanachareon T,Tangphatsornruang S,Pattarajinda V,Eurwilaichitr L,Champreda V

[Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing.](#)

FEMS microbiology ecology , Volume: 84 Issue: 3 2013 Jun

Authors Beloshapka AN,Dowd SE,Suchodolski JS,Steiner JM,Duclos L,Swanson KS

[Metagenomic analyses of alcohol induced pathogenic alterations in the intestinal microbiome and the effect of Lactobacillus rhamnosus GG treatment.](#)

PloS one , Volume: 8 Issue: 1 2013

Authors Bull-Otterson L,Feng W,Kirpich I,Wang Y,Qin X,Liu Y,Gobejishvili L,Joshi-Barve S,Ayvaz T,Petrosino J,Kong M,Barker D,McClain C,Barve S

[In vitro antimicrobial assessment of Cuban propolis extracts.](#)

Memorias do Instituto Oswaldo Cruz , Volume: 107 Issue: 8 2012 Dec

Authors Monzote L,Cuesta-Rubio O,Campo Fernandez M,Márquez Hernandez I,Fragá J,Pérez K,Kerstens M,Maes L,Cos P

[The inhibitory effect of polyphenols on human gut microbiota.](#)

Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 63 Issue: 5 2012 Oct

Authors Duda-Chodak A

[Synergistic effects of honey and propolis toward drug multi-resistant Staphylococcus aureus, Escherichia coli and Candida albicans isolates in single and polymicrobial cultures.](#)

International journal of medical sciences , Volume: 9 Issue: 9 2012

Authors Al-Waili N,Al-Ghamdi A,Ansari MJ,Al-Attal Y,Salom K

Effects of oat β -glucan and barley β -glucan on fecal characteristics, intestinal microflora, and intestinal bacterial metabolites in rats.

Journal of agricultural and food chemistry , Volume: 60 Issue: 45 2012 Nov 14

Authors Shen RL,Dang XY,Dong JL,Hu XZ

Gut microbiome composition is linked to whole grain-induced immunological improvements.

The ISME journal , Volume: 7 Issue: 2 2013 Feb

Authors Martínez I,Lattimer JM,Hubach KL,Case JA,Yang J,Weber CG,Louk JA,Rose DJ,Kyureghian G,Peterson DA,Haub MD,Walter J

Effects of cereal β -glucans and enzyme inclusion on the porcine gastrointestinal tract microbiota.

Anaerobe , Volume: 18 Issue: 6 2012 Dec

Authors Murphy P,Bello FD,O'Doherty JV,Arendt EK,Sweeney T,Coffey A

Effects of potato fiber and potato-resistant starch on biomarkers of colonic health in rats fed diets containing red meat.

Journal of food science , Volume: 77 Issue: 10 2012 Oct

Authors Paturi G,Nyanhanda T,Butts CA,Herath TD,Monro JA,Ansell J

Fermented milk supplemented with probiotics and prebiotics can effectively alter the intestinal microbiota and immunity of host animals.

Journal of dairy science , Volume: 95 Issue: 9 2012 Sep

Authors Wang S,Zhu H,Lu C,Kang Z,Luo Y,Feng L,Lu X

Consumption of different soymilk formulations differentially affects the gut microbiomes of overweight and obese men.

Gut microbes , Volume: 3 Issue: 6 2012 Nov-Dec

Authors Fernandez-Raudales D,Hoeflinger JL,Bringe NA,Cox SB,Dowd SE,Miller MJ,Gonzalez de Mejia E

The inhibitory activity of tyfified propolis against Enterococcus species.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 67 Issue: 5-6 2012 May-Jun

Authors Moncla BJ,Guevara PW,Wallace JA,Marcucci MC,Nor JE,Bretz WA

Enzyme deactivation treatments did not decrease the beneficial role of oat food in intestinal microbiota and short-chain fatty acids: an in vivo study.

Journal of the science of food and agriculture , Volume: 93 Issue: 3 2013 Feb

Authors Hu X,Xing X,Zhen H

Inulin modifies the bifidobacteria population, fecal lactate concentration, and fecal pH but does not influence iron absorption in women with low iron status.

The American journal of clinical nutrition , Volume: 96 Issue: 2 2012 Aug

Authors Petry N,Egli I,Chassard C,Lacroix C,Hurrell R

Synthesis and evaluation of antimicrobial activity of 4H-pyrimido[2,1-b]benzothiazole, pyrazole and benzylidene derivatives of curcumin.

European journal of medicinal chemistry , Volume: 54 2012 Aug

Authors Sahu PK,Sahu PK,Gupta SK,Thavaselvam D,Agarwal DD

The in vitro antimicrobial activities of metabolites from lactobacillus strains on Candida species implicated in Candida vaginitis.

The Malaysian journal of medical sciences : MJMS , Volume: 18 Issue: 4 2011 Oct

Authors Ogunshe AA,Omotoso MA,Bello VB

Microbiota benefits after inulin and partially hydrolyzed guar gum supplementation: a randomized clinical trial in constipated women.

Nutricion hospitalaria , Volume: 27 Issue: 1 2012 Jan-Feb

Authors Linetzky Waitzberg D,Alves Pereira CC,Logullo L,Manzoni Jacintho T,Almeida D,Teixeira da Silva ML,Matos de Miranda Torrinas RS

Influence of red wine polyphenols and ethanol on the gut microbiota ecology and biochemical biomarkers.

The American journal of clinical nutrition , Volume: 95 Issue: 6 2012 Jun

Authors Queipo-Ortuño MI,Boto-Ordóñez M,Murri M,Gomez-Zumaquero JM,Clemente-Postigo M,Estruch R,Cardona Diaz F,Andrés-Lacueva C,Tinahones FJ

Early administration of probiotic Lactobacillus acidophilus and/or prebiotic inulin attenuates pathogen-mediated intestinal inflammation and Smad 7 cell signaling.

FEMS immunology and medical microbiology , Volume: 65 Issue: 3 2012 Aug

Authors Foye OT,Huang IF,Chiou CC,Walker WA,Shi HN

The effects of seaweed extract inclusion on gut morphology, selected intestinal microbiota, nutrient digestibility, volatile fatty acid concentrations and the immune status of the weaned pig.

Animal : an international journal of animal bioscience , Volume: 2 Issue: 10 2008 Oct

Authors Reilly P,O'Doherty JV,Pierce KM,Callan JJ,O'Sullivan JT,Sweeney T

[Changes in gut microbiota in children with atopic dermatitis administered the bacteria *Lactobacillus casei* DN-114001](#)

Polish journal of microbiology , Volume: 60 Issue: 4 2011

Authors Klewicka E,Cukrowska B,Libudzisz Z,Slizewska K,Motyl I

[Effect of *Lactobacillus reuteri* on the proliferation of *Propionibacterium acnes* and *Staphylococcus epidermidis*.](#)

Journal of microbiology (Seoul, Korea) , Volume: 50 Issue: 1 2012 Feb

Authors Kang MS,Oh JS,Lee SW,Lim HS,Choi NK,Kim SM

[Grape antioxidant dietary fiber stimulates *Lactobacillus* growth in rat cecum.](#)

Journal of food science , Volume: 77 Issue: 2 2012 Feb

Authors Pozuelo MJ,Agís-Torres A,Hervert-Hernández D,Elvira López-Oliva M,Muñoz-Martínez E,Rotger R,Goñi I

[Influence of dietary blueberry and broccoli on cecal microbiota activity and colon morphology in *mdr1a*\(-/-\) mice, a model of inflammatory bowel diseases.](#)

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 28 Issue: 3 2012 Mar

Authors Paturi G,Mandimika T,Butts CA,Zhu S,Roy NC,McNabb WC,Ansell J

[Isoflavonoids and coumarins from *Glycyrrhiza uralensis*: antibacterial activity against oral pathogens and conversion of isoflavans into isoflavan-quinones during purification.](#)

Journal of natural products , Volume: 74 Issue: 12 2011 Dec 27

Authors Gafner S,Bergeron C,Villinski JR,Godejohann M,Kessler P,Cardellina JH,Ferreira D,Feghali K,Grenier D

[Six-week consumption of a wild blueberry powder drink increases bifidobacteria in the human gut.](#)

Journal of agricultural and food chemistry , Volume: 59 Issue: 24 2011 Dec 28

Authors Vendrame S,Guglielmetti S,Riso P,Arioli S,Klimis-Zacas D,Porrini M

[Effects of non-fermented and fermented soybean milk intake on faecal microbiota and faecal metabolites in humans.](#)

International journal of food sciences and nutrition , Volume: 63 Issue: 4 2012 Jun

Authors Inoguchi S,Ohashi Y,Narai-Kanayama A,Aso K,Nakagaki T,Fujisawa T

[The effect of probiotics on faecal microbiota and genotoxic activity of faecal water in patients with atopic dermatitis: a randomized, placebo-controlled study.](#)

Clinical nutrition (Edinburgh, Scotland) , Volume: 31 Issue: 1 2012 Feb

Authors Roessler A,Forssten SD,Glei M,Ouwehand AC,Jahreis G

[High-level dietary fibre up-regulates colonic fermentation and relative abundance of saccharolytic bacteria within the human faecal microbiota in vitro.](#)

European journal of nutrition , Volume: 51 Issue: 6 2012 Sep

Authors Shen Q,Zhao L,Tuohy KM

[Inhibition of growth of highly resistant bacterial and fungal pathogens by a natural product.](#)

The open microbiology journal , Volume: 5 2011

Authors Hafidh RR,Abdulmir AS,Vern LS,Abu Bakar F,Abas F,Jahanshiri F,Sekawi Z

[In-vitro antimicrobial activity and synergistic/antagonistic effect of interactions between antibiotics and some spice essential oils.](#)

Journal of environmental biology , Volume: 32 Issue: 1 2011 Jan

Authors Toroglu S

[Arabinoxylans and inulin differentially modulate the mucosal and luminal gut microbiota and mucin-degradation in humanized rats.](#)

Environmental microbiology , Volume: 13 Issue: 10 2011 Oct

Authors Van den Abbeele P,Gérard P,Rabot S,Bruneau A,El Aidy S,Derrien M,Kleerebezem M,Zoetendal EG,Smidt H,Verstraete W,Van de Wiele T,Possemiers S

[Influence of a probiotic soy product on fecal microbiota and its association with cardiovascular risk factors in an animal model.](#)

Lipids in health and disease , Volume: 10 2011 Jul 29

Authors Cavallini DC,Suzuki JY,Abdalla DS,Vendramini RC,Pauly-Silveira ND,Roselino MN,Pinto RA,Rossi EA

[Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and intestinal microflora.](#)

Journal of the science of food and agriculture , Volume: 92 Issue: 1 2012 Jan 15

Authors Rodríguez ML,Rebolé A,Velasco S,Ortiz LT,Treviño J,Alzueta C

[Prebiotics: germinated barley foodstuff for the prevention of colitis-associated colon cancer?](#)

Journal of gastroenterology and hepatology , Volume: 26 Issue: 8 2011 Aug

Authors Koh SJ,Kim JS

[Prebiotic effects of wheat arabinoxylan related to the increase in bifidobacteria, Roseburia and Bacteroides/Prevotella in diet-induced obese mice.](#)

PloS one , Volume: 6 Issue: 6 2011

Authors Neyrinck AM,Possemiers S,Druart C, Van de Wiele T,De Backer F,Caní PD,Larondelle Y,Delzenne NM

Effect of banana consumption on faecal microbiota: a randomised, controlled trial.

Anaerobe , Volume: 17 Issue: 6 2011 Dec

Authors Mitsou EK,Kougia E,Nomikos T,Yannakoulia M,Mountzouris KC,Kyriacou A

Antimicrobial activity of plant essential oils against bacterial and fungal species involved in food poisoning and/or food decay.

Roumanian archives of microbiology and immunology , Volume: 69 Issue: 4 2010 Oct-Dec

Authors Lixandru BE,Dracea NO,Dragomirescu CC,Dragulescu EC,Coldea IL,Anton L,Dobre E,Rovinaru C,Codita I

Cytotoxicity, antiviral and antimicrobial activities of alkaloids, flavonoids, and phenolic acids.

Pharmaceutical biology , Volume: 49 Issue: 4 2011 Apr

Authors Ozçelik B,Kartal M,Orhan I

Effects of dietary polyphenol-rich grape products on intestinal microflora and gut morphology in broiler chicks.

Poultry science , Volume: 90 Issue: 3 2011 Mar

Authors Viveros A,Chamorro S,Pizarro M,Arija I,Centeno C,Brenes A

A whole-grain cereal-rich diet increases plasma betaine, and tends to decrease total and LDL-cholesterol compared with a refined-grain diet in healthy subjects.

The British journal of nutrition , Volume: 105 Issue: 10 2011 May

Authors Ross AB,Bruce SJ,Blondel-Lubrano A,Oguey-Araymon S,Beaumont M,Bourgeois A,Nielsen-Moennoz C,Vigo M,Fay LB,Kochhar S,Bibiloni R,Pittet AC,Emady-Azar S,Grathwohl D,Rezzi S

Effect of β -glucanase and xylanase supplementation of barley- and rye-based diets on caecal microbiota of broiler chickens.

British poultry science , Volume: 51 Issue: 4 2010 Aug

Authors Jozefiak D,Rutkowski A,Kaczmarek S,Jensen BB,Engberg RM,Højberg O

[Functional biostructure of colonic microbiota (central fermenting area, germinal stock area and separating mucus layer) in healthy subjects and patients with diarrhea treated with *Saccharomyces boulardii*].

Gastroenterologie clinique et biologique , Volume: 34 Suppl 1 2010 Sep

Authors Swidsinski A,Loening-Baucke V,Kirsch S,Doerffel Y

A new macrocyclic antibiotic, fidaxomicin (OPT-80), causes less alteration to the bowel microbiota of *Clostridium difficile*-infected patients than does vancomycin.

Microbiology (Reading, England) , Volume: 156 Issue: Pt 11 2010 Nov

Authors Tannock GW,Munro K,Taylor C,Lawley B,Young W,Byrne B,Emery J,Louie T

Oral administration of *Clostridium butyricum* for modulating gastrointestinal microflora in mice.

Current microbiology , Volume: 62 Issue: 2 2011 Feb

Authors Kong Q,He GQ,Jia JL,Zhu QL,Ruan H

Biodegradable gelatin-chitosan films incorporated with essential oils as antimicrobial agents for fish preservation.

Food microbiology , Volume: 27 Issue: 7 2010 Oct

Authors Gómez-Estaca J,López de Lacey A,López-Caballero ME,Gómez-Guillén MC,Montero P

In vitro evaluation of the microbiota modulation abilities of different sized whole oat grain flakes.

Anaerobe , Volume: 16 Issue: 5 2010 Oct

Authors Connolly ML,Lovegrove JA,Tuohy KM

Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats.

Journal of animal science , Volume: 88 Issue: 9 2010 Sep

Authors Barry KA,Wojcicki BJ,Middelbos IS,Vester BM,Swanson KS,Fahey GC Jr

The influence of pomegranate by-product and punicalagins on selected groups of human intestinal microbiota.

International journal of food microbiology , Volume: 140 Issue: 2-3 2010 Jun 15

Authors Bialonska D,Ramnani P,Kasimsetty SG,Muntha KR,Gibson GR,Ferreira D

Feed supplementation of *Lactobacillus plantarum* PCA 236 modulates gut microbiota and milk fatty acid composition in dairy goats—a preliminary study.

International journal of food microbiology , Volume: 141 Suppl 1 2010 Jul 31

Authors Maragkoudakis PA,Mountzouris KC,Rosu C,Zoumpopoulou G,Papadimitriou K,Dalaka E,Hadjipetrou A,Theofanous G,Strozzi GP,Carlini N,Zervas G,Tsakalidou E

Effect of apple intake on fecal microbiota and metabolites in humans.

Anaerobe , Volume: 16 Issue: 5 2010 Oct

Authors Shinohara K,Ohashi Y,Kawasumi K,Terada A,Fujisawa T

In vitro evaluation of the prebiotic properties of almond skins (*Amygdalus communis* L.).

FEMS microbiology letters , Volume: 304 Issue: 2 2010 Mar

Authors Mandalari G,Faulks RM,Bisignano C,Waldron KW,Narbad A,Wickham MS

Probiotics have clinical, microbiologic, and immunologic efficacy in acute infectious diarrhea.

The Pediatric infectious disease journal , Volume: 29 Issue: 2 2010 Feb

Authors Chen CC,Kong MS,Lai MW,Chao HC,Chang KW,Chen SY,Huang YC,Chiu CH,Li WC,Lin PY,Chen CJ,Li TY

Human gut bacterial communities are altered by addition of cruciferous vegetables to a controlled fruit- and vegetable-free diet.

The Journal of nutrition , Volume: 139 Issue: 9 2009 Sep

Authors Li F,Hullar MA,Schwarz Y,Lampe JW

Characterization and antimicrobial spectrum of bacteriocins produced by lactic acid bacteria isolated from traditional Bulgarian dairy products.

Journal of applied microbiology , Volume: 106 Issue: 2 2009 Feb

Authors Simova ED,Beshkova DB,Dimitrov ZHP

Antibacterial activity of the broad bean extracts on resistant bacteria.

Pakistan journal of biological sciences : PJBS , Volume: 10 Issue: 3 2007 Feb 1

Authors Peyvast G,Khorsandi Z

Antimicrobial effects of Turkish propolis, pollen, and laurel on spoilage and pathogenic food-related microorganisms.

Journal of medicinal food , Volume: 11 Issue: 3 2008 Sep

Authors Erkmén O,Ozcan MM

Antibiotic-induced perturbations of the intestinal microbiota alter host susceptibility to enteric infection.

Infection and immunity , Volume: 76 Issue: 10 2008 Oct

Authors Sekirov I,Tam NM,Jogova M,Robertson ML,Li Y,Lupp C,Finlay BB

Therapeutic potential of two probiotics in inflammatory bowel disease as observed in the trinitrobenzene sulfonic acid model of colitis.

Diseases of the colon and rectum , Volume: 51 Issue: 12 2008 Dec

Authors Amit-Romach E,Uni Z,Reifen R

Effect of thymol on microbial diversity in the porcine jejunum.

International journal of food microbiology , Volume: 126 Issue: 1-2 2008 Aug 15

Authors Janczyk P,Trevisi P,Souffrant WB,Bosi P

Exopolysaccharides produced by intestinal Bifidobacterium strains act as fermentable substrates for human intestinal bacteria.

Applied and environmental microbiology , Volume: 74 Issue: 15 2008 Aug

Authors Salazar N,Gueimonde M,Hernández-Barranco AM,Ruas-Madiedo P,de los Reyes-Gavilán CG

Potential prebiotic properties of almond (Amygdalus communis L.) seeds.

Applied and environmental microbiology , Volume: 74 Issue: 14 2008 Jul

Authors Mandalari G,Nueno-Palop C,Bisignano G,Wickham MS,Narbad A

Potential prebiotic properties of almond (Amygdalus communis L.) seeds.

Applied and environmental microbiology , Volume: 74 Issue: 14 2008 Jul

Authors Mandalari G,Nueno-Palop C,Bisignano G,Wickham MS,Narbad A

In vitro fermentation of oat and barley derived beta-glucans by human faecal microbiota.

FEMS microbiology ecology , Volume: 64 Issue: 3 2008 Jun

Authors Hughes SA,Shewry PR,Gibson GR,McCleary BV,Rastall RA

The antimicrobial efficacy of plant essential oil combinations and interactions with food ingredients.

International journal of food microbiology , Volume: 124 Issue: 1 2008 May 10

Authors Gutierrez J,Barry-Ryan C,Bourke P

Bioactive properties and chemical composition of six walnut (Juglans regia L.) cultivars.

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association , Volume: 46 Issue: 6 2008 Jun

Authors Pereira JA,Oliveira I,Sousa A,Ferreira IC,Bento A,Estevinho L

Synergistic antibacterial activity between Thymus vulgaris and Pimpinella anisum essential oils and methanol extracts.

Journal of ethnopharmacology , Volume: 116 Issue: 3 2008 Mar 28

Authors Al-Bayati FA

Baseline microbiota activity and initial bifidobacteria counts influence responses to prebiotic dosing in healthy subjects.

Alimentary pharmacology & therapeutics , Volume: 27 Issue: 6 2008 Mar 15

Authors de Preter V,Vanhoutte T,Huys G,Swings J,Rutgeerts P,Verbeke K

Inhibitory effect of Gram-negative and Gram-positive microorganisms against Helicobacter pylori clinical isolates.

The Journal of antimicrobial chemotherapy , Volume: 61 Issue: 1 2008 Jan

Authors López-Brea M,Alarcón T,Domingo D,Díaz-Regañón J

Antibacterial effect of five Zingiberaceae essential oils.

Molecules (Basel, Switzerland) , Volume: 12 Issue: 8 2007 Aug 23

Authors Norajit K,Laohakunjit N,Kerdchoechuen O

Whole-grain wheat breakfast cereal has a prebiotic effect on the human gut microbiota: a double-blind, placebo-controlled,

crossover study.

The British journal of nutrition , Volume: 99 Issue: 1 2008 Jan

Authors Costabile A,Klinder A,Fava F,Napolitano A,Fogliano V,Leonard C,Gibson GR,Tuohy KM

Brazilian green propolis on Helicobacter pylori infection. a pilot clinical study.

Helicobacter , Volume: 12 Issue: 5 2007 Oct

Authors Coelho LG,Bastos EM,Resende CC,Paula e Silva CM,Sanches BS,de Castro FJ,Moretzsohn LD,Vieira WL,Trindade OR

Vapor-phase activities of cinnamon, thyme, and oregano essential oils and key constituents against foodborne microorganisms.

Journal of agricultural and food chemistry , Volume: 55 Issue: 11 2007 May 30

Authors López P,Sanchez C,Batlle R,Nerín C

Jerusalem artichoke and chicory inulin in bakery products affect faecal microbiota of healthy volunteers.

The British journal of nutrition , Volume: 98 Issue: 3 2007 Sep

Authors Kleessen B,Schwarz S,Boehm A,Fuhrmann H,Richter A,Henle T,Krueger M

Impact of consumption of different levels of Bifidobacterium lactis HN019 on the intestinal microflora of elderly human subjects.

The journal of nutrition, health & aging , Volume: 11 Issue: 1 2007 Jan-Feb

Authors Ahmed M,Prasad J,Gill H,Stevenson L,Gopal P

Supplementation of baby formula with native inulin has a prebiotic effect in formula-fed babies.

Asia Pacific journal of clinical nutrition , Volume: 16 Issue: 1 2007

Authors Kim SH,Lee DH,Meyer D

Physiological effects of extraction juices from apple, grape, and red beet pomaces in rats.

Journal of agricultural and food chemistry , Volume: 54 Issue: 26 2006 Dec 27

Authors Sembries S,Dongowski G,Mehrländer K,Will F,Dietrich H

Inhibitory effects of spice essential oils on the growth of Bacillus species.

Journal of medicinal food , Volume: 9 Issue: 3 2006 Fall

Authors Ozcan MM,Sagdiç O,Ozkan G

Effects of Bifidobacterium lactis Bb12 supplementation on intestinal microbiota of preterm infants: a double-blind, placebo-controlled, randomized study.

Journal of clinical microbiology , Volume: 44 Issue: 11 2006 Nov

Authors Mohan R,Koebnick C,Schildt J,Schmidt S,Mueller M,Possner M,Radke M,Blaut M

In vitro activity of Bulgarian propolis against 94 clinical isolates of anaerobic bacteria.

Anaerobe , Volume: 12 Issue: 4 2006 Aug

Authors Boyanova L,Kolarov R,Gergova G,Mitov I

Susceptibility of Prevotella intermedia/Prevotella nigrescens (and Porphyromonas gingivalis) to propolis (bee glue) and other antimicrobial agents.

Anaerobe , Volume: 8 Issue: 1 2002 Feb

Authors Santos FA,Bastos EM,Rodrigues PH,de Uzeda M,de Carvalho MA,Farias Lde M,Moreira ES

Antagonistic activity of probiotic lactobacilli and bifidobacteria against entero- and uropathogens.

Journal of applied microbiology , Volume: 100 Issue: 6 2006 Jun

Authors Hütt P,Shchepetova J,Löivukene K,Kullisaar T,Mikelsaar M

Antimicrobial and antiplasmid activities of essential oils.

Fitoterapia , Volume: 77 Issue: 4 2006 Jun

Authors Schelz Z,Molnar J,Hohmann J

Effects of combining extracts (from propolis or Zingiber officinale) with clarithromycin on Helicobacter pylori.

Phytotherapy research : PTR , Volume: 20 Issue: 3 2006 Mar

Authors Nostro A,Cellini L,Di Bartolomeo S,Cannatelli MA,Di Campli E,Procopio F,Grande R,Marzio L,Alonzo V

Prebiotic effects of chicory inulin in the simulator of the human intestinal microbial ecosystem.

FEMS microbiology ecology , Volume: 51 Issue: 1 2004 Dec 27

Authors de Wiele TV,Boon N,Possemiers S,Jacobs H,Verstraete W

In vitro susceptibility of Helicobacter pylori to botanical extracts used traditionally for the treatment of gastrointestinal disorders.

Phytotherapy research : PTR , Volume: 19 Issue: 11 2005 Nov

Authors Mahady GB,Pendland SL,Stoia A,Hamill FA,Fabricant D,Dietz BM,Chadwick LR

Isoflavones and functional foods alter the dominant intestinal microbiota in postmenopausal women.

The Journal of nutrition , Volume: 135 Issue: 12 2005 Dec

Authors Clavel T,Fallani M,Lepage P,Levenez F,Mathéy J,Rochet V,Sérezat M,Sutren M,Henderson G,Bennetau-Pelissero C,Tondu F,Blaut M,Doré J,Coxam V

Antibacterial effect of plant extracts against Helicobacter pylori.

Phytotherapy research : PTR , Volume: 19 Issue: 3 2005 Mar

Authors Nostro A, Cellini L, Di Bartolomeo S, Di Campli E, Grande R, Cannatelli MA, Marzio L, Alonzo V

Activity of Bulgarian propolis against 94 Helicobacter pylori strains in vitro by agar-well diffusion, agar dilution and disc diffusion methods.

Journal of medical microbiology , Volume: 54 Issue: Pt 5 2005 May

Authors Boyanova L, Gergova G, Nikolov R, Derejian S, Lazarova E, Katsarov N, Mitov I, Krastev Z

Propolis extract as an adjuvant to periodontal treatment.

Oral health & preventive dentistry , Volume: 1 Issue: 1 2003

Authors Gebaraa EC, Pustiglioni AN, de Lima LA, Mayer MP

Microbiological effects of consuming a synbiotic containing Bifidobacterium bifidum, Bifidobacterium lactis, and oligofructose in elderly persons, determined by real-time polymerase chain reaction and counting of viable bacteria.

Clinical infectious diseases : an official publication of the Infectious Diseases Society of America , Volume: 40 Issue: 1 2005 Jan 1

Authors Bartosch S, Woodmansey EJ, Paterson JC, McMurdo ME, Macfarlane GT

Emerging resistance among bacterial pathogens in the intensive care unit—a European and North American Surveillance study (2000-2002).

Annals of clinical microbiology and antimicrobials , Volume: 3 2004 Jul 29

Authors Jones ME, Draghi DC, Thornsberry C, Karlowsky JA, Sahm DF, Wenzel RP

Contribution of acetate to butyrate formation by human faecal bacteria.

The British journal of nutrition , Volume: 91 Issue: 6 2004 Jun

Authors Duncan SH, Holtrop G, Lobley GE, Calder AG, Stewart CS, Flint HJ

Antimicrobial susceptibility of the pathogens of bacteraemia in the UK and Ireland 2001-2002: the BSAC Bacteraemia Resistance Surveillance Programme.

The Journal of antimicrobial chemotherapy , Volume: 53 Issue: 6 2004 Jun

Authors Reynolds R, Potz N, Colman M, Williams A, Livermore D, MacGowan A, BSAC Extended Working Party on Bacteraemia Resistance Surveillance.

Argentinean collaborative multicenter study on the in vitro comparative activity of piperacillin-tazobactam against selected bacterial isolates recovered from hospitalized patients.

Diagnostic microbiology and infectious disease , Volume: 47 Issue: 3 2003 Nov

Authors Casellas JM, Tomé G, Bantar C, Bertolini P, Blázquez N, Borda N, Couto E, Cudmani N, Guerrero J, Juárez MJ, López T, Littvik A, Méndez E, Notario R, Ponce G, Quinteros M, Salamone F, Sparo M, Sutich E, Vaylet S, Wolff L

Enteral feeding of premature infants with Saccharomyces boulardii.

Early human development , Volume: 74 Issue: 2 2003 Nov

Authors Costalos C, Skouteri V, Gounaris A, Sevastiadou S, Triandafillidou A, Ekonomidou C, Kontaxaki F, Petrochilou V

Influence of ginger rhizome (Zingiber officinale Rosc) on survival, glutathione and lipid peroxidation in mice after whole-body exposure to gamma radiation.

Radiation research , Volume: 160 Issue: 5 2003 Nov

Authors Jagetia GC, Baliga MS, Venkatesh P, Ullloor JN

Resveratrol and red wine extracts inhibit the growth of CagA+ strains of Helicobacter pylori in vitro.

The American journal of gastroenterology , Volume: 98 Issue: 6 2003 Jun

Authors Mahady GB, Pendland SL, Chadwick LR

Brazilian propolis: physicochemical properties, plant origin and antibacterial activity on periodontopathogens.

Phytotherapy research : PTR , Volume: 17 Issue: 3 2003 Mar

Authors Santos FA, Bastos EM, Maia AB, Uzeda M, Carvalho MA, Farias LM, Moreira ES

Turmeric (Curcuma longa) and curcumin inhibit the growth of Helicobacter pylori, a group 1 carcinogen.

Anticancer research , Volume: 22 Issue: 6C 2002 Nov-Dec

Authors Mahady GB, Pendland SL, Yun G, Lu ZZ

Dietary fiber-rich barley products beneficially affect the intestinal tract of rats.

The Journal of nutrition , Volume: 132 Issue: 12 2002 Dec

Authors Dongowski G, Huth M, Gebhardt E, Flamme W

Culture-independent microbial community analysis reveals that inulin in the diet primarily affects previously unknown bacteria in the mouse cecum.

Applied and environmental microbiology , Volume: 68 Issue: 10 2002 Oct

Authors Apajalahti JH, Kettunen H, Kettunen A, Holben WE, Nurminen PH, Rautonen N, Mutanen M

Aberrant composition of gut microbiota of allergic infants: a target of bifidobacterial therapy at weaning?

Gut , Volume: 51 Issue: 1 2002 Jul

Authors Kirjavainen PV, Arvola T, Salminen SJ, Isolauri E

Prebiotic treatment of experimental colitis with germinated barley foodstuff: a comparison with probiotic or antibiotic

treatment.

International journal of molecular medicine , Volume: 9 Issue: 1 2002 Jan

Authors Fukuda M,Kanauchi O,Araki Y,Andoh A,Mitsuyama K,Takagi K,Toyonaga A,Sata M,Fujiyama Y,Fukuoka M,Matsumoto Y,Bamba T

Enrichment of bifidobacteria in the hen caeca by dietary inulin.

Folia microbiologica , Volume: 46 Issue: 1 2001

Authors Rada V,Dusková D,Marounek M,Petr J

Probiotic activities of Lactobacillus casei rhamnosus: in vitro adherence to intestinal cells and antimicrobial properties.

Research in microbiology , Volume: 152 Issue: 2 2001 Mar

Authors Forestier C,De Champs C,Vatoux C,Joly B

Egyptian propolis: 1-antimicrobial activity and chemical composition of Upper Egypt propolis.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 56 Issue: 1-2 2001 Jan-Feb

Authors Hegazi AG,El Hady FK

Probiotics in foods not containing milk or milk constituents, with special reference to Lactobacillus plantarum 299v.

The American journal of clinical nutrition , Volume: 73 Issue: 2 Suppl 2001 Feb

Authors Molin G

Fermentation of plant cell wall derived polysaccharides and their corresponding oligosaccharides by intestinal bacteria.

Journal of agricultural and food chemistry , Volume: 48 Issue: 5 2000 May

Authors Van Laere KM,Hartemink R,Bosveld M,Schols HA,Voragen AG

Fr-type chicory inulin hydrolysate has a prebiotic effect in humans.

The Journal of nutrition , Volume: 130 Issue: 5 2000 May

Authors Menne E,Guggenbuhl N,Roberfroid M

Chemical composition and antimicrobial activity of European propolis.

Zeitschrift fur Naturforschung. C, Journal of biosciences , Volume: 55 Issue: 1-2 2000 Jan-Feb

Authors Hegazi AG,Abd El Hady FK,Abd Allah FA

Antimicrobial activity of essential oils and other plant extracts.

Journal of applied microbiology , Volume: 86 Issue: 6 1999 Jun

Authors Hammer KA,Carson CF,Riley TV

Changes in fecal microflora induced by intubation of mice with Bacillus subtilis (natto) spores are dependent upon dietary components.

Canadian journal of microbiology , Volume: 45 Issue: 1 1999 Jan

Authors Hosoi T,Ametani A,Kiuchi K,Kaminogawa S

[Antagonistic interaction between Clostridium butyricum and enterohemorrhagic Escherichia coli O157:H7].

Kansenshogaku zasshi. The Journal of the Japanese Association for Infectious Diseases , Volume: 73 Issue: 1 1999 Jan

Authors Takahashi M,Taguchi H,Yamaguchi H,Osaki T,Sakazaki R,Kamiya S

Does probiotics administration decrease serum endotoxin levels in infants?

Journal of pediatric surgery , Volume: 34 Issue: 2 1999 Feb

Authors Urao M,Fujimoto T,Lane GJ,Seo G,Miyano T

Increased growth of Bifidobacterium and Eubacterium by germinated barley foodstuff, accompanied by enhanced butyrate production in healthy volunteers.

International journal of molecular medicine , Volume: 3 Issue: 2 1999 Feb

Authors Kanauchi O,Fujiyama Y,Mitsuyama K,Araki Y,Ishii T,Nakamura T,Hitomi Y,Agata K,Saiki T,Andoh A,Toyonaga A,Bamba T

The effect of consumption of milk fermented by Lactobacillus casei strain Shirota on the intestinal microflora and immune parameters in humans.

European journal of clinical nutrition , Volume: 52 Issue: 12 1998 Dec

Authors Spanhaak S,Havenaar R,Schaafsma G

Microbiological examinations and in-vitro testing of different antibiotics in therapeutic endoscopy of the biliary system.

Endoscopy , Volume: 30 Issue: 8 1998 Oct

Authors Lorenz R,Herrmann M,Kassem AM,Lehn N,Neuhaus H,Classen M

The colonization of a simulator of the human intestinal microbial ecosystem by a probiotic strain fed on a fermented oat bran product: effects on the gastrointestinal microbiota.

Applied microbiology and biotechnology , Volume: 50 Issue: 2 1998 Aug

Authors Kontula P,Jaskari J,Nollet L,De Smet I,von Wright A,Poutanen K,Mattila-Sandholm T

[Susceptibilities of bacteria isolated from patients with lower respiratory infectious diseases to antibiotics (1996)].

The Japanese journal of antibiotics , Volume: 51 Issue: 7 1998 Jul

Authors Ikemoto H,Watanabe K,Mori T,Igari J,Oguri T,Shimizu Y,Terao T,Inoue H,Nakadate T,Ito C,Yoshida T,Ohno I,Tanno

Y,Arakawa M,Igarashi K,Okada M,Ozaki K,Aoki N,Kitamura N,Sekine O,Suzuki Y,Nakata K,Nakatani T,Inagawa H,Kusano N

Soluble mannan and beta-glucan inhibit the uptake of Malassezia furfur by human monocytic cell line, THP-1

FEMS immunology and medical microbiology , Volume: 21 Issue: 3 1998 Jul

Authors Suzuki T,Ohno N,Ohshima Y,Yadomae T

Antibiotic susceptibility of potentially probiotic Bifidobacterium isolates from the human gastrointestinal tract.

Letters in applied microbiology , Volume: 26 Issue: 5 1998 May

Authors Charteris WP,Kelly PM,Morelli L,Collins JK

Effects of inulin and lactose on fecal microflora, microbial activity, and bowel habit in elderly constipated persons.

The American journal of clinical nutrition , Volume: 65 Issue: 5 1997 May

Authors Kleessen B,Sykura B,Zunft HJ,Blaut M

Antimicrobial compounds from Lactobacillus casei and Lactobacillus helveticus.

The new microbiologica , Volume: 16 Issue: 2 1993 Apr

Authors Vescovo M,Scolari GL,Caravaggi L,Bottazzi V

Antimicrobial and antioxidant activities of unripe papaya.

Life sciences , Volume: 53 Issue: 17 1993

Authors Osato JA,Santiago LA,Remo GM,Cuadra MS,Mori A

Selective stimulation of bifidobacteria in the human colon by oligofructose and inulin.

Gastroenterology , Volume: 108 Issue: 4 1995 Apr

Authors Gibson GR,Beatty ER,Wang X,Cummings JH

The effect of a probiotic on faecal and liver lipid classes in rats.

The British journal of nutrition , Volume: 73 Issue: 5 1995 May

Authors Fukushima M,Nakano M

Antibacterial sensitivity of Bifidobacterium (Lactobacillus bifidus).

Journal of bacteriology , Volume: 93 Issue: 1 1967 Jan

Authors Miller LG,Finegold SM

Comparison of populations of human faecal bacteria before and after in vitro incubation with plant cell wall substrates.

The Journal of applied bacteriology , Volume: 62 Issue: 3 1987 Mar

Authors Slade AP,Wyatt GM,Bayliss CE,Waites WM

Phenolic constituents in Erythrina x bidwilli and their activity against oral microbial organisms.

Chemical & pharmaceutical bulletin , Volume: 40 Issue: 10 1992 Oct

Authors Iinuma M,Tanaka T,Mizuno M,Yamamoto H,Kobayashi Y,Yonemori S

[Selective effect of propolis in the isolation of Listeria monocytogenes (author's transl)].

Nordisk veterinærmedicin , Volume: 29 Issue: 10 1977 Oct

Authors Aspöy E

Effects of probiotic Enterococcus faecium NCIMB 11181 administration on swine fecal microbiota diversity and composition using barcoded pyrosequencing

Animal Feed Science and Technology , Volume: 201 2015 Mar

Authors Edward Alain B.Pajarillo,Dae-Kyung Kang,Chan-Soo Park,Hyeun Bum Kim,Marilen P Balolong

Additional sources and private correspondence

Private Correspondance , Volume: 1 Issue: 2018

[Research cited on Manufacture Website].

Research cited on Manufacture Website , Volume: 0 Issue: 0 2018 Jan

Authors Miyarisan Labs

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

Curcumin consumption reduces gut microbial diversity among patients with colorectal adenomas

The FASEB Journal , Volume: 26 Issue: 1 2012 Apr 1

Authors April McLauchlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku

Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD
Age-Related Macular Degeneration and Glaucoma
Allergic Rhinitis (Hay Fever)
Allergies
Allergy to milk products
Alopecia (Hair Loss)
Alzheimer's disease
Amyotrophic lateral sclerosis (ALS) Motor Neuron
Ankylosing spondylitis
Anorexia Nervosa
Antiphospholipid syndrome (APS)
Asthma
Atherosclerosis
Atrial fibrillation
Autism
Autoimmune Disease
Barrett esophagus cancer
benign prostatic hyperplasia
Biofilm
Bipolar Disorder
Brain Trauma
Breast Cancer
Cancer (General)
Carcinoma
cdkl5 deficiency disorder
Celiac Disease
Cerebral Palsy
Chronic Fatigue Syndrome
Chronic Kidney Disease
Chronic Lyme
Chronic Obstructive Pulmonary Disease (COPD)
Chronic Urticaria (Hives)
Coagulation / Micro clot triggering bacteria
Cognitive Function
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
Cushing's Syndrome (hypercortisolism)
cystic fibrosis
d-lactic acidosis (one form of brain fog)
deep vein thrombosis
Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Food Allergy
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis

Glioblastoma
Gout
Graves' disease
Gulf War Syndrome
Halitosis
Hashimoto's thyroiditis
Heart Failure
hemorrhagic stroke
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
High Histamine/low DAO
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
ischemic stroke
Juvenile idiopathic arthritis
Liver Cirrhosis
liver fibrosis
Long COVID
Low bone mineral density
Lung Cancer
Lymphoma
Mast Cell Issues / mastitis
ME/CFS with IBS
ME/CFS without IBS
membranous nephropathy
Menopause
Metabolic Syndrome
Mood Disorders
multiple chemical sensitivity [MCS]
Multiple Sclerosis
Multiple system atrophy (MSA)
myasthenia gravis
neuropathic pain
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
pancreatic cancer
Parkinson's Disease
Peanut Allergy
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder

primary biliary cholangitis
Primary sclerosing cholangitis
Psoriasis
rheumatoid arthritis (RA), Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
Slow gastric motility / Gastroparesis
Small Intestinal Bacterial Overgrowth (SIBO)
Stress / posttraumatic stress disorder
Systemic Lupus Erythematosus
Tic Disorder
Tourette syndrome
Type 1 Diabetes
Type 2 Diabetes
Ulcerative colitis
Unhealthy Ageing
Vitiligo